The ONE Source Serving the HVAC/R Industry for Over 100 Years













itors Safety & Specialty Products

THE BACHARACH BLUEBOOK

2009 - 2010 MADE IN THE USA FOR OVER 100 YEARS

Welcome to Bacharach



A CENTURY OF INNOVATION

...And We're Just Getting Started!

THE ONE SOURCE

Established in 1909, Bacharach, Inc. is the world leader in the design, manufacture, and service of advanced equipment to measure and detect gases including instruments that detect, measure and record combustion, refrigerant and environmental gases, temperature, humidity and other air quality and safety parameters.

- The ONE Source serving the HVAC/R industry for:
 - Combustion analyzers
 - Leak detectors (combustible & refrigerant gases)
 - Continuous gas monitors
 - A/C and refrigerant recovery machines, maintenance tools and gauges
 - Safety and specialty products
- Products designed to aid in the installation and servicing of heating, air conditioning & refrigeration equipment
- · Instruments designed for residential, commercial and industrial applications
- In-house product development and technical expertise
- Excellent customer support training, customer service, repairs
- Made in the U.S.A. for over 100 years

LOOK FOR THESE SYMBOLS

The capabilities needed for test and measurement instrumentation vary widely depending on the application and environment. To simplify your selection process, we have placed a symbol (©,) and (1)) designating the most appropriate application use for the product;

- Residential: Homes, and apartments (furnaces, boilers, hot water heaters, air conditioners, and stoves)
 - Commercial: Institutions, office buildings, food storage, and labs (boilers, chillers, refrigeration racks, and indoor air quality)
 - Industrial: Manufacturing facilities, and utilities (health and safety monitoring, control processes, and emissions)



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SERVICE YOU CAN COUNT ON

Factory Calibration, Sensor Replacement, and Repair Services are available and provide customers:

- Faster turnaround time
- Free return shipping
- Simplified flat rate pricing

A Return Material Authorization number (RMA#) is required for all service and repair. For additional information go to MyBacharach.com/support.htm or contact Customer Service at 1-800-736-4666, or help@MyBacharach.com

SERVICE LOCATIONS

Bacharach® Sales/Service Center HEADQUARTERS:

621 Hunt Valley Circle New Kensington, PA 15068 Toll Free: 800-736-4666

724-334-5000 Ph: 724-334-5704 Fax: Email: help@MyBacharach.com Bacharach® of Canada Sales/Service Center

20 Amber Street Unit #7 Markham, Ontario L3R 9W7

Canada

905-470-8985 Ph: 905-470-8963

Toll Free in Canada: 800-328-5217 Email: bachcan@idirect.com

Bacharach® de México S.de R. L. de C.V.

Sales/Service Center

Playa Regatas No. 473 Tercer Piso Col. Militar Marte Delegación Iztacalco, 08830 México D.F., México Tel: +52-55-56-34-77-40/41

Fax: +52-55-56-34-77-38 Email: bacharach@prodigy.net.mx





BACHARACH'S FYRITE® FAMILY OF COMBUSTION ANALYZERS

For the most comprehensive full featured family of combustion analyzers, check out the Fyrite® combustion analyzer products. From simple to sophisticated and from basic to multi-use, Fyrite® products set the performance standard in their class. These instruments provide unique features that will meet the needs of contractors whatever the application.

B-SMART™ CO SENSORS FOR THE FYRITE® INSIGHT



B-Smart™ Carbon Monoxide (CO) Sensors are the newest addition to the Fyrite® Family, providing the customer some major advantages when using the Fyrite® INSIGHT. This technology allows the user to replace pre-calibrated sensors in the field, thus eliminating the need to send it in for calibration.

The B-Smart $^{\mathsf{TM}}$ Sensor itself is only part of the equation, select the B-Smart $^{\mathsf{TM}}$ Calibration program that is right for you... then let us worry about the details. Bacharach will automatically send you the calibrated sensor.

Sign up today, go to www.MyBacharach.com/bsmart

THE B-SMART™ ADVANTAGE

Features	+	Advantages =	Benefits
B-Smart™ factory-calibrated CO sensor sent right to your door		No need to return your instrument for calibration	No downtime
Plug and pl	ay sensors	Install the CO sensor yourself	Save time
Self calibra	tion	No field gas calibration	Save money





ECA 450 (1)



Unlike any other industrial grade combustion efficiency and environmental analyzer on the market today, the ECA 450 conducts accurate combustion and emissions tests to ensure that industrial equipment is burning efficiently and environmental regulations are being met.

- · Industrial grade analyzer for both combustion efficiency and emissions analysis
- Generates and prints combustion efficiency and emissions reports
- Supports modular, field replaceable, sensors for O_2 , NO, NO_2 , SO_2 ,
- Expandable in field add or change sensors as your requirements change
- Ideal for sampling and monitoring furnaces, boilers and other industrial combustion equipment
- Comes standard in hard case, with 12" probe assembly and built-in printer

MEASUREMENT	RANGE
Primary/Ambient Air Temperature	-4° to 999° F (-20 to 537°C)
Stack Temperature	
Draft / Differential	-27.7 to +27.7 in. of H ₂ 0
Oxygen (O₂)	0.0 to 20.9%
Carbon Monoxide (CO) (H ₂ comp)	0 to 4,000 ppm
Carbon Monoxide (CO) (High Range)*	4,001 to 80,000 ppm
Nitric Oxide (NO)*	0 to 3,500 ppm
Nitrogen Dioxide (NO₂)*	0 to 500 ppm
Sulfur Dioxide (SO₂)*	0 t0 4,000 ppm
Combustible Gases (HC)*	0 to 5.00% (application dependent)

SELECTABLE FUELS

Natural Gas, Propane, Coal, Wood, Kerosene, Oil #2, Oil #4, Oil #5, Oil #6, Bagasse

EPA/ETV Test Verified

CALCULATED RANGES	RANGE
Combustion Efficiency	0.1 to 100.0%
Evened Air	0 to 2E00/
Carbon Dioxide (dry basis)	0 to fuel dependent maximum
$NO_x (NO_x = NO + NO_2)$	0 to 4,000 ppm
NO _x referenced to % O ₂	0 to 17,000 ppm
CO referenced to % O ₂	0 to 99,999 ppm
NO referenced to % O₂	0 to 14,900 ppm
NO ₂ referenced to % O ₂	0 to 2,100 ppm
SO ₂ referenced to % O ₂	0 to 17,000 ppm

* Optional

Two pumps are included. The first pump supplies gas sample to the sensors. The second pump supplies fresh air to purge the low range CO sensor when CO levels exceed 4000 ppm. Probe includes a standard probe and hose assembly equipped with a water trap, particulate filter, probe stop, 15 feet of hose and 12-inch probe tube.

OTHER SPECIFICATIONS		
Power	Universal AC adapter and an internal battery	
	pack. Adapter will accept input voltages	
	from 100 to 240V. Fully charged battery pack	
	provides a minimum of 8 hrs of operation	
Size	13.5" H x 18.5" W x 9" D	
	(34.3 cm x 47 cm x 22.9 cm	
Weight	25 lbs (11.34 kg)	
Memory	Stores over 1000 test records	
Display	160 x 160 (2.5 in. x 2.5 in.) Graphic Liquid	
	Crystal Display	
Warranty	2 vears	

ORDERING INFORMATION
24-7221 ECA 450 Base Unit (O ₂ , CO, Ts, Ta, DP)
24-7222 ECA 450 (0 ₂ , CO, Ts,Ts, DP) S. European Model*
(without power cord) 24-7228 ECA 450 (0, CO. Ts.Ta. DP) N. European Model*
(without nower cord)
24-8400 ECA 450 with NO / NO ₂ sensors and compact sample
24-8401 ECA 450 with NO, NO ₂ and SO ₂ sensors and
compact sample conditioner
OPTIONAL ACCESSORIES
24-3024 24" Probe Assembly
24-3U25 36 Probe Assembly
24-7224 Compact Sample Conditioner/Probe 24-3035 24" High Temperature Probe Assembly
24-3036 36" High Temperature Probe Assembly
24-3037 48" High Temperature Probe Assembly
24-1124 20 Ft. Hose Extension with sample, draft and
thermocouple lines
thermocouple lines 24-1172 Water Trap/Filter Assembly (for Probe Assemblies)
07-1644 Replacement Filters for Water Trap (pkg of 3)
104-4027 Serial Cable DB 9M to DB 9F
24-0980 Printer Paper (5 rolls)

^{*}European-based calculations







G PCA® 2

The PCA®2 is a commercial and industrial handheld combustion instrument and the perfect tool for service technicians and boiler contractors who need to ensure safety, determine combustion efficiency and perform emissions testing.

- · Capable of measuring up to 4 gases at one time with field replaceable sensors
- Measures 02, stack temperature, primary/ambient temperature and pressure/draft
- Measures CO (hydrogen compensated) from 0-4,000 ppm
- Provides both CO measurement capability (for safety) and calculation of combustion efficiency
- Selectable fuels include natural gas, kerosene, propane, coal, #2, #4 and #6 fuel oil, wood, bagasse and digester gas
- Includes hard carrying case, rubber boot, 12" probe assembly, spare filters, 4 "AA" batteries, "smart" sensors (as ordered), USB cable and PC software



MEASUREMENT RANGES

PCA® 2 with Reporting Package Kits

Combine the PCA®2 with the IrDA printer and you have the perfect Reporting Package tool. All reporting package kits contain all items included with the instrument, plus the IrDA printer, USB cable and software.

Primary/Ambient Air Temperature	-4° to 999° F (-20 to 537°C)
Stack Temperature	-4° to 2192° F (-20 to 1200°C)
Oxygen (O₂)	0.0 to 20.9%
Carbon Monoxide (CO) (H ₂ comp)	0 to 4,000 ppm
Carbon Monoxide (CO) (High Range)	4,001 to 20,000 ppm
Nitric Oxide	0 to 3,000 ppm
Nitrogen Dioxide	0 to 500 ppm
Sulfur Dioxide	0 to 5,000 ppm
Draft / Differential Pressure	−72 to +72 INWC
CALCULATED RANGES	RANGE
Combustion Efficiency	0.1 to 100%
Excess Air	0 to 250%
Carbon Dioxide (dry basis)	0 to fuel dependent maximum
$NO_x (NO_x = NO + NO_2)$	0 to 3,500 ppm
NO _x referenced to % O ₂	0 to 9,999 ppm
CO referenced to % O ₂	0 to 9,999 ppm
NO referenced to % O₂	U to 9,999 ppm
NO ₂ referenced to % O ₂	0 to 9,999 ppm
SO ₂ referenced to % O ₂	0 to 9,999 ppm
SELECTABLE FUELS	

RANGE

п	OLLLO INIDEL I OLLO
	Natural Gas, Propane, Coal, Wood Kerosene, Oil #2, Oil #4, Oil #6,
	Pagagos and Diggeter Coa

Bagasse and Digester Gas		
ı	OTHER SPECI	FICATIONS
	Power	Four disposable AA alkaline batteries or NiMH
		rechargeable batteries providing 10 hours of
		continuous operation. Optional AC Power Adapter
	Size	9"H x 3"W x 2.5"D (22.9 cm x 7.6 cm x 6.3 cm)
	Weight	1.4 lbs (0.6 kg)
	Memory	500 complete combustion test records
	Logged Memory	500 complete logged combustion test records
	Display	160 x 160 (2.5 in x 2.5 in.) Graphic Liquid Crystal
		Display
	Warranty	2 years

ORDERI	NG INFORMATI	ON
N.AM P/N*	EU P/N**	DESCRIPTION
24-8350	24-8357	PCA®2 225 (O ₂ , CO) PCA®2 235 (O ₂ , CO, NO) PCA®2 235 (O ₂ , CO, NO) PCA®2 235 (O ₂ , CO, CO high) PCA®2 245 (O ₂ , CO, CO high) PCA®2 255 (O ₂ , CO, SO ₂) PCA®2 265 (O ₂ , CO, NO, NO ₂) PCA®2 275 (O ₂ , CO, NO, CO high) PCA®2 285 (O ₂ , CO, NO, CO high) PCA®2 235 Kit (O ₂ , CO, NO, printer) PCA®2 245 Kit (O ₂ , CO, CO high, printer) PCA®2 255 Kit (O ₂ , CO, CO high, printer) PCA®2 265 Kit (O ₂ , CO, NO, NO ₂ , printer) PCA®2 275 Kit (O ₂ , CO, NO, NO ₂ , printer) PCA®2 285 Kit (O ₂ , CO, NO, SO ₂ , printer) PCA®2 285 Kit (O ₂ , CO, NO, SO ₂ , printer) PCA®2 285 Kit (O ₂ , CO, NO, CO high, printer)
24-8351	24-8358	PCA®2 235 (O ₂ , CO, NO)
24-8352	24-8360	PCA®2 245 (O ₂ , CO, CO high)
24-8353	24-8361	PCA®2 255 (O ₂ , CO, SO ₂)
24-8354	24-8362	PCA®2 265 (O ₂ , CO, NO, NO ₂)
24-8355	24-8363	PCA®2 275 (O ₂ , CO, NO, SO ₂)
24-8356	24-8364	PCA®2 285 (O ₂ , CO, NO, CO high)
24-8370	24-8377	PCA®2 225 Kit (O ₂ , CO, printer)
24-8371	24-8378	PCA®2 235 Kit (O ₂ , CO, NO, printer)
24-8372	24-8380	PCA®2 245 Kit (O ₂ , CO, CO high, printer)
24-8373	24-8381	PCA®2 255 Kit (O ₂ , CO, SO ₂ , printer)
24-8374	24-8382	PCA®2 265 Kit (O ₂ , CO, NO, NO ₂ , printer)
24-8375	24-8383	PCA®2 275 Kit (O ₂ , CO, NO, SO ₂ , printer)
24-8376	24-8384	PCA®2 285 Kit (O ₂ , CO, NO, CO high, printer)
OPTION		
24-1400	IrDA Printer w/ Dispo	sable Batteries
24-1404	Universal AC Power	Adapter
24-7224	Compact Sample Co	nditioner/Probe
24-3004	Probe Assembly	
24-3037		
24-1124	20 Ft. Hose Extensio	n with sample, draft and thermocouple lines
104-1797	Thermocouple 10 ft	(combustion air temp.)
104-1798	Thermocouple 1in (a	mbient air temp)

*U.S.-based calculations

^{**} European-based calculations











The Fyrite® INSIGHT is the newest Bacharach Combustion Analyzer that redefines what a combustion analyzer should be. This lightweight, hand-held analyzer is five tools in one. An INSIGHT will:

- Perform combustion efficiency testing for 8 different fuels
- Test CO ambient conditions
- Measure CO in flue and calculate CO air free
- Serve as a dual channel digital thermometer (Up to 999°F)
- Function as a digital manometer (draft, gas pressure, ESP, up to 100 INWC)

INSIGHT employs Bacharach's new B-Smart™ CO Sensor technology that eliminates the need to send in the instrument for calibration, saving the user time and most importantly: money.

Other major features include user diagnostics, LCD and PC-based software for information and communication needs.

- Five Tools in ONE!
- Self calibration and easy access to sensors
- User diagnostics
- O₂ sensor life indication
- · Calibration reminders
- Graphic LCD display
- Customize with your company logo
- Includes hard carrying case, rubber boot, probe, 4 "AA" batteries and instructional DVD



The INSIGHT Reporting Package Kits contains all items included with the instrument, plus the IrDA printer, USB cable and software. It's a perfect tool for contractors.



B-Smart™ Carbon Monoxide (CO) Sensors are the newest addition to the Fyrite® Family, providing the customer some major advantages when using the Fyrite® INSIGHT. This technology allows the user to replace pre-calibrated sensors in the field, thus eliminating the need to send it in for calibration.

The B-Smart™ Sensor itself is only part of the equation, select the B-Smart™ Calibration program that is right for you... then let us worry about the details. Bacharach will automatically send you the calibrated sensor. For more information go to www.MyBacharach.com/bsmart.

MEASUREMENT RANGES	RANGE
Combustion Air/Ambient Air Temperature	-4 to 600°F (-20 to 316°C)
Flue Gas Temperature	-4 to 1200°F (-20 to 649°C)
Oxygen (O₂)	0.0 to 20.9%
Carbon Monoxide (CO)	0 to 2,000 ppm
Draft / Differential Pressure	-100 to +100 INWC
CALCULATED RANGES	RANGE
Combustion Efficiency	0.1 to 100%
Carbon Dioxide	0.1 to a fuel dependent max.
	value in percent
Carbon Monoxide (air free)	0 to 9,999 ppm
Excess Air	0 to 250%
SELECTABLE FUELS	
Natural Gas, Propane, Coal, Wood, Kerosen	e,0il #2, 0il #4, 0il #6

OTHER SPECIFICATIONS			
Power	Four disposable AA alkaline batteries (included)		
Battery Life	Minimum of 20 hours, typical		
Size	8.0"H x 3.6"W x 2.3"D		
Weight	16 oz. with batteries		
Warranty	2 years (including sensors)		

ODDEDING I	NFORMATION
24-8250 Fyrite	® INSIGHT
24-8252 Fyrite	® INSIGHT - European Model *
24-8251 Fyrite	® INSIGHT w/ Reporting Pkg Kit
24-8253 Fyrite	® INSIGHT Kit - European Model*
OPTIONAL A	ACCESSORIES
24-1400 IrDA I	Printer w/ Disposable Batteries
24-1254 Unive	ersal AC Power Adapter
104-1797 Them	nocouple 10 ft (combustion at temp.)
104-1798 Thern	nocounts 1 in (ambient air temp)
	rential Pressure & Temperature Kit
24-1505 Optio	nai Nux Fiiter

^{*}European-based calculations



BACHARACH

fyritee

Tech



R Fyrite® Tech

Based on the same technology as the Fyrite® commercial units, the Fyrite® Tech is an affordable residential combustion analyzer that reduces service call time by providing accurate, electronic test results instantly. The Fyrite® Tech analyzers are easy to use: simply turn the unit on, select the fuel type (natural gas, oil, propane and kerosene), and insert the probe. It's that easy.



- Quick payback The Fyrite® Tech reduces service call time by providing accurate, electronic test results instantly.
- Accurate operation Tactile feedback from the instrument's keypad assures that the appropriate key has been pressed.
- Ergonomically designed The instrument is lightweight and fits in the palm of your hand, making it easy to handle.
- Long battery life Four alkaline batteries typically offer up to 18 hours of continuous operation with an automatic "power off" feature that saves energy.
- Purchase protection Our two-year warranty on each analyzer and its sensors ensures worry-free operation.
- Measures O_2 (0-20.9%) and CO (0-2,000 ppm), stack temperature (0 to 999°F) and ambient temperature (32 to 212°F)
- Calculates combustion efficiency, excess air, CO₂ and CO air
- Includes soft carrying case, 4 "AA" batteries and probe

Fyrite® Tech Kit

· Includes hard carrying case, rubber boot, with or without IrDA printer

MEASUREME		RANGE	
Ambient Air Temp	erature	32 to 212°F (0 to 100°C)	
Flue Gas Temperat	ture	0 to 999°F (-18 to 537°C)	
Oxygen (O₂)		0.0 +0.20.0%	
Carbon Monoxide	(CO)	0 to 2,000 ppm	
CALCULATED		RANGE	
Combustion Efficie	ency	0.1 to 99.9%	
Carbon Dioxide (C	Ò ₂)	0.1 to a fuel dependent max.	
		value in percent	
Carbon Monoxide	(air free)	0 to 0 000 nnm	
Excess Air		0 to 400%	
SELECTABLE	FUELS		
Natural Gas (F1), (Oil #2 (F2), Propane (F3), Kerosene (F4)	
OTHER SPECI	FICATIONS		
Power	Four disposable A	A alkaline batteries (included)	
Battery Life	Up to 18 hours of	continuous runtime, typical	
Size	7.5"H x 3.1"W x 2.1"D		
Weight	16 oz. with batter	ies	

Warranty

ORDERING INFORMATION
24-8217 Fyrite® Tech 60
24-8266 Fyrite® Tech 60 European Model*
24-8226 Fyrite ®Tech 60 Kit (no printer)
24-8326 Fyrite® Tech 60 Kit (with printer)
OPTIONAL ACCESSORIES
24-1127 Protective Boot with Magnet
24-0865 Hard Carrying Case
19-7111 Angled Probe & Hose Assembly w/sample & thermocouple lines
19-3265 Water Trap/ Filter Assembly (for Probe Assembly)
07-1644 Replacement Filters for Water Trap (package of 3)
24-7059 Calibration Kit (regulator and tubing only)
51-1994 Calibration Gas (100 ppm CO)

^{*}European based calculations

2 years (including sensors)





Fyrite® Classic







The Fyrite® Classic series includes fast, easy to use instruments for measuring carbon dioxide or oxygen. The units, while looking very similar, differ in construction and absorbing fluid. Each model is suitable for only the particular gas and measurement range for which it was manufactured. Accuracy of all Fyrite® Classic products is $\pm 0.5\%$.

KEY FYRITE® CLASSIC FEATURES INCLUDE:

- Broad measurement range
- Capable of being exposed to ambient temperatures from -30 to $+150^{\circ}F$ Withstands measurement gas temperatures up to $850^{\circ}F$



MEASUREMENT CAPABILITIES					
PART NUMBER	CO2	O ₂	APPLICATIONS		
10-5000 10-5001*	0-20%	NA	Incubator applications, flue gas combustion tests and ${\rm CO_2}$ tests of heat treating atmospheres		
10-5020 10-5021*	0-20%	0-21%	All of the applications above plus; oxygen deficiency testing, O₂ concentrations in hydrogen cooled generators and oil sealed inert gas transformers		
10-5053 10-5083*	0-7.6%	ŇÄ	CO ₂ determination in flammable gases and to check for inertness of atmosphere in silos, fuel tanks, and similar locations		
10-5011 10-5012*	NA	0-21%	Oxygen deficiency testing, O ₂ concentrations in hydrogen cooled generators and oil sealed inert gas transformers		
10-5032 10-5033*	0-60%	NA	Checking CO ₂ in inert gas blankets in tankers and barges transporting combustibles; Checking CO ₂ in lime kilns and sewage plant digesters		

	ic Uil Kit	
10-5022	20%	NA
10-5150*		

Includes: CO2 indicator, True Spot Smoke Tester, Oil Burner Smoke Scale, Fire Efficiency Finder, Tempoint Dial Thermometer, MZF Draft Gauge and hard carrying case

OPTIONAL ACCESSORIES

10-5057 Refill fluid CO ₂ (20% & 60%) – 3 bottles
10-5100 Refill fluid CO₂ (7%) – 3 bottles
10-5060 Refill fluid 0₂ (21% & 60%) – 3 bottles
10-5103 Refill fluid 0 ₂ (7%) – 3 bottles

^{*} Export Kit (shipped without fluid)



Combustion Tools

True Spot® Smoke Test Kit

21-7006

- · Evaluates smoke density in the flue gases from distillate fuel
- Accurate smoke readings take less than a minute
- Standard in the industry





lempoint

- 6 in., 200°F to 1,000°F 12 in., 200°F to 1,000°F

Draftrite® Pocket Gauge

13-3000

· This pocket size draft instrument is suitable for checking flue pipe, chimneys, smoke hoods and oil burner firing rates





MZF Draft Gauge

13-7019

- Measurement range of +0.05 to 0 to -0.025 INWC
- Requires no liquids or leveling
- Ideal for use in applications such as residential. commercial and industrial heating plants and for furnace draft pressure drop across filters
- Supplied with 5" draft tube and 9' of rubber tubing

Portable Manometer

17-7002

A valuable instrument for measuring and adjusting the inlet and manifold pressure for gas heating equipment and appliances.

- The Bacharach Manometer is designed for accuracy, readability, and portability
- Also used to determine filter resistance, fan efficiency, air velocity, and static pressures
- Measurement range 0-15 INWC and 0-38 CMWC





Fyrite® Family of Products	Fyrite® Classic	Fyrite® Tech	Fyrite® INSIGHT	PCA® 2	ECA 450
WHAT THEY BO					
WHAT THEY DO	RO	ß	R C	G ()	0
Combustion Efficiency Analyzer Room Air CO Test Instrument	~	<u> </u>	······································	v	<u> </u>
Flue Gas CO Test Instrument		V	V	······	V
Dual Channel Digital Thermometer Digital Manometer			······································	v	· · · · · · · · · · · · · · · · · · ·
Emissions Compliance Testing (NO, NO ₂ , SO ₂)				······································	, in the second
WHAT THEY MEASURE					
Flue Gas Temperature		v	V	V	y
Combustion Air/Ambient Air Temperature		~	<u> </u>	y	V
Pressure (Draft, Gas Pressure, Static Pressure) Oxygen Levels (0 ₂)	V	V	Ž	······································	Ž
Carbon Monoxide (CO)		v	y	· · · · · · · · · · · · · · · · · · ·	~
Carbon Monoxide (CO) High Carbon Dioxide (CO ₂)	······			······································	······································
Nitric Oxide (NO)				~	~
Nitrogen Dioxide (NO ₂) Sulfur Dioxide (SO ₂)				y	······································
Hydrocarbons (HC)					<u> </u>
WHAT THEY CALCULATE					
Combustion Efficiency	w/ Slide Ruler	~	,	~	,
Excess Air Carbon Monoxide Air Free (CO)		Y	······································	y	Y
Carbon Dioxide (CO ₂)		v v	Ţ	· · · · · · · · · · · · · · · · · · ·	Ž
WHAT THEY TEST					
0il - #2	w/ Slide Ruler	~	~	~	~
Oil - #4 Oil - #6	w/ Slide Ruler w/ Slide Ruler	~	······································	······································	· · · · · · · · · · · · · · · · · · ·
Natural Gas. Propane, Kerosene	w/ Slide Ruler	V	~	· · · · · · · · · · · · · · · · · · ·	~
Coal	w/ Slide Ruler		~	y	v
Bagasse Digester Gas				······································	······································
VHAT THEY FEATURE					
B-Smart™ Carbon Monoxide (CO) Sensor			~		
Field Replaceable Smart Sensors			y	<u> </u>	
Graphic LCD Display Back Light		V		<u> </u>	~
Zoom			V	V	
Data Logging Printing Canability			<u> </u>	· · · · · · · · · · · · · · · · · · ·	y
Printing Capability PC Download Capability			<u> </u>	······································	Ţ.
Sensor Life Indicator			~	v	
Calibration Reminder Automatic CO Over Range Protection			Ž	· · · · · · · · · · · · · · · · · · ·	~
Warranty	1-year	2-years	2-years	2-years	2-years
VHAT CAN BE ADDED					
True Spot Smoke Test Kit	~	V	V	V	~
IrDA Printer/Built-In Printer Compact Sample Conditioner for Emission Compliance Testing			-	· · · · · · · · · · · · · · · · · · ·	, ,
CERTIFICATIONS					
EN50379		(pending)	(pending)	(pending)	(pending
CE Mark		··· •	~	······································	V

Leak Detectors





BACHARACH'S LEAK DETECTOR FAMILY OF PRODUCTS

Bacharach manufacturers a complete line of leak detectors for combustible and refrigerant gases and one universal leak detector, the Informant® 2, that measures both types. Bacharach handheld portable units offer a wide range of visual and audible indicators, fast warm up and long battery life. Models are also available that are certified intrinsically safe for use in Class I, Division 1 Groups A,B, C and D hazardous locations. Designed for sensitivity and fast response, there is a Bacharach unit available to meet most any leak detection requirement.



Leak Detectors



Informant® 2





The Informant® 2 is a the only universal leak detector that can detect both combustible and refrigerant gases and is perfect for residential and commercial heating and cooling contractors.

The Bacharach Advantage:

- One-of-a-kind dual purpose refrigerant and combustible gas leak detector
- Automatically leads you directly to leak source
- Can swap sensor tips within seconds
- Sensitivity levels are automatically adjusted
- Refrigerant sensor tip is finely tapered to gain access to hard to reach areas



Informant®2 Contractor Kit

· Instrument comes with refrigerant and combustible gas sensors, color-coded probe tips, instruction manual, protective rubber boot, 4"AA" batteries, 5 filters and hard carrying case



Informant®2 Deluxe Kits

- Refrigerant and combustible leak detector
- Includes refrigerant and combustion sensors, color-coded probe tips, protective rubber boot, flashlight, 6"AA" batteries, 5 filters and hard carrying case

SENSING TECHNOLOGY

Refrigerant Sensor Heated Diode - U.S. Patent No. 5,932,176 Combustible Sensor Patented semiconductor type. Five year typical life.

Plug-in replacement

GASES DETECTED

All CFC, HCFC and HFC refrigerants including: Refrigerants R-12, R-22, R-123. R-134a and blends R-404A,

R-408A, R-409A and R-410A (i.e., any refrigerant containing Chlorine, Fluorine or Bromine gas)

Combustible Gases All combustible gases and vapors 0 to 400%

RESPONSE TIME

Refrigerants and Combustible Gases Instantaneous

ALARM SENSITIVITY

Refrigerants Less than 0.25 oz/yr of R-134a (hardest to detect refrigerant)

Combustible Gases Minimum 50ppm (Methane)

ALARM TYPES

Audible, dual visual LED's and flashing probe tip

OTHER SPECIFICATIONS

Four disposable AA alkaline batteries (included) Power 4-5 hours, under typical intermittent operation 1.75"W x 9.6"L x 2.25"H (4.45 cm x 24.4 cm x 5.7 cm) Battery Life 0.86 lbs. (0.39 kg) with batteries Weight Warranty One year, including sensors

CERTIFICAT

SAE J1627; EN14624 (pending); CE Mark Refrigerants Combustible Gases UL 913, intrinsically safe for use in Class 1,

Division 1, Group D hazardous areas; CE Mark

ORDERING INFORMATION

OPTIONAL ACCESSORIES

19-8037	Deluxe Upgrade Kit (upgrade regular kits with rubber boot, flash
	light, 2 "AA" batteries and hard carrying case
19-0509	Replacement Filters (pkg of 5)
06-9457	MagLite® Flashlight

Detectors







Reakator® 10

19-7051

- · Combustible gas leak detector
- Includes carrying case, gas sensor, flexible probe and instruction manual
- Visual 10 LED display
- Audible tick rate indicator
- Rapid 10 second warm time
- Adjustable sensitivity
- 30 hour battery life
- · UL 913 Intrinsically Safe for Class I, Division 1,

Groups A, B, C and D hazardous locations; CE-Mark Leakator® 10 ETO for detection of Ethylene Oxide

19-7063





51-2529 Optional Earphone











- · Combustible gas detector
- Includes sensor, soft case and batteries Visual On/Off LED display
- Audible tick rate indication
- Quick, 60 second warm up time
- Dual level sensitivity settings (20 and 50 ppm)
- UL 913 Intrinsically Safe for Class I, Division 1, Groups A, B, C and D hazardous locations; CE-Mark



RG Tru Pointe®

19-8106

- · Refrigerant gas leak detector at an affordable price for the budget conscious customer
- Instantly responsive to all refrigerants
- Includes hard carrying case and batteries
- Audible and visual alarms
- 10 second warm up
- SAE J1627; EN14624 (pending); CE-Mark





Leak Detectors









3015-0456

- Refrigerant leak detector with automatic and manual adjustment Detects all CFC, HFC and HCFC refrigerants
- AC powered
- Performance exceeds SAE J1627
 Supplied with leak reference bottle, probe tip and filter kit





- Refrigerant leak detector with dual power source that detects all CFC, HFC and HCFC
 Manual or automatic zero balance control
- · Pass / fail test mode
- Unique sensor calibration system 3 sensitivity modes

- Powered by a rechargable battery Pinponts both small and large leaks



	H-10PM	H-10G
SENSING TECHNOL	OGY	
Refrigerant Sensor	Positive Ion Emission Heat	ted Diode
GASES DETECTED		
Refrigerants	All CFC, HCFC and HFC ref	frigerants
RESPONSE TIME		
	1 second	
ALARM SENSITIVIT	Υ	
R-134a	Small - 0.1 oz / yea	ar
	Medium - 0.5 oz / ye	
	Large - 2.0 oz / yea	
R12	Small - 0.05 oz / ye	ar
	Medium - 0.1 oz / yo	
	Large - 1.0 oz / yea	
Accuracy	Exceeds SAE J162	.7
LEAK ALARM		
Audible and visual	Audible alarm and visible r	eon lamp
OTHER SPECIFICATI		
Power	12 VDC - internal rechargeable	120 VAC 50/60 Hz
•••••		sealed lead acid battery
	12 VDC - external battery using	Optional 220/230 VAC
• • • • • • • • • • • • • • • • • • • •	battery clamp /cigarette lighter plug	Or 240 VAC
	120-240 VAC - wall adapter to charge battery only	
• • • • • • • • • • • • • • • • • • • •	120 VAC optional wall adapter to	
	charge-and-run unit continuously	
Size	5.5" x 10.5" x 8.5" (14 x 26.67 x 21.6 c	m) 2.5" x 4.5" x 8.5"
OILO	5.5 X 10.0 X 5.5 (17 X 20.07 X 21.0 C	(6.35 x 11.43 x 21.6 cm)
Weight	5 lbs. (2.27 kg)	3 lbs. (1.36 kg)
Probe Length	4.5 ft (1.37 m)	

EN14624 (pe	ending);CE	-Mark

ORDERING INFORMATION	
3015-0627 H10PM All-In-One Leak Detector 3015-0456 H10G Standard Leak Detector	
OPTIONAL ACCESSORIES	
3015-0119 Battery Charger (for H10-PM) 3015-0131 H10G AC Adapter (120V) 3015-0143 H10G AC Adapter (220V/230V) 3015-0147 H10G AC Adapter (240V) 3015-0103 Battery for H10PM 3015-0326 14" Flexible Probe 3015-0838 Standard Probe Assembly 3015-0864 Leak Reference Bottle 3015-0641 Clear Probe Tip 3015-0781 Tune-Up Kit 3015-0680 Rubber Probe Tip	

CERTIFICATIONS

Vetectors







(3) H25-IR

The H25-IR is an industrial-grade leak detection and measurement system. This instrument will locate, pinpoint and quantify the leak. Once a leak has been located it can be measured and the measured values can be logged and totaled for the entire system. This capability allows the user to ensure environmental or quality assurance compliance. This product can measure most refrigerant gases (over 40 in current library) as well as R-600a and SF6, which can be displayed in terms of leak rate (oz/yr, g/yr, mL/s, PaM3/s) or concentration (ppm). The long-life infrared sensor and high sensitivity make the H25-IR the smart choice for the most demanding leak detection and measurement applications.



Faster response time

- Infrared (IR) detection technology ensures long sensor life and high accuracy
- IR sensor is tuned specifically to target gas minimizes false alarms
- Internal leak source enables calibrations to be made quickly and easily
- Detects leaks as small as 0.03 oz/yr

ORDERING	INFORMATION
3015-5291	Refrigerants - Includes Smart Probe with 6' hose
3015-5292	Refrigerants - Includes Smart Probe with 12' hose
3015-5295	R600a - Includes Smart Probe with 6' hose
3015-5296	R600a - Includes Smart Probe with 12' hose
3015-5299	SF6 - Includes Smart Probe with 6' hose
3015-5300	SF6 - Includes Smart Probe with 12' hose

^{*} Additional models available that include a standard probe with LED and button

SENSING TECHNOLOGY

Non-Dispersive Infrared (NDIR)

GASES DETECTED Refrigerants

R-21, R-22, R-23, R-113, R-114, R-123, R-124, R-125, R-134a, R-227, R-236FA, R-245FA, R-401A, R-402A, R-402B, R-404A, R-407A, R-407C, R-408A, R-409A, R-410A, R-422A, R-422D, R-424A, R-426A, R-427A, R-500, R-502, R-503, R-507, R-508B, FA188, FC72,

CFC, HFC, and HCFC unit: R-11, R-12,

H-1211, H-1234YF, H-1301, H-2402, HFP, N-1230

İsobutane R-600a

Sulfur hexafluoride (SF6), Carbon Dioxide Other (CO₂) (pending)

RESPONSE TIME

With 6' probe hose attached MEASUREMENT 1 second

oz/yr, g/yr, mL/s, PaM3/s, ppm 0.03 - 5.00 oz/yr Range Sensitivity 0.03 oz/yr

WARM UP TIMI

2 minutes

OPERATING MODES

Search Detects presence and location of gas

Measure Calculates and displays leak rate

OTHER SP CATIONS

100 to 240 VAC, 50/60 Hz (Option: 16 Power VDC Battery-Powered)

OPERATING TEMPERATURE RANGE

Storage Temperature Range 32 to 122°F (0 to 50°C) –4 to 122°F (–20 to 50°C)

Operating Humidity Range 5 to 90% RH, non-condensing 4"H x 10.75"W x 15"D Size

(10.2 cm x 27.3 cm x 38.1 cm) 18 lbs. (8.2 kg) Weight

Smart Probe, 6 foot Hose Probe Length Smart Probe, 12 foot Hose

Warranty Two year full warranty on instrument



Leak Detectors

Leak Detector Family of Products	Informant® 2	Leakator® 10	Leakator® Jr.	Tru Pointe®	H-10G	H-IOPM	H25-IR
WHAT THEY DETECT	B G	B G	RG	B G	00	R	90
Combustible Gas Leak Detection							
Refrigerant Leak Detection	y	Y	Y				
Specialty Gas Leak Detection	Y			······································	y	v	<u> </u>
							V
SENSITIVITY							
Refrigerant (oz/year of R134a)	0.25			0.1 (0.05 for R12)	0.1 (0.05 for R12)	0.1	0.03
Combustibles (ppm Methane)	50	20	20				
Sensitivity Modes	Auto	Manual	2	2	3	3	3
Response Time	Instantaneous	Instantaneous	<3 sec to fs	Instantaneous	1 sec	1 sec	0.5 - 1 sec
WHAT THEY FEATURE							
Automatic Calibration and Zero Out Function	~		~	~	~	~	~
Replaceable Sensors	Y	V	V	~	V	V	Infrared
Warm Up Time (approx. in seconds)	10	10	60	10	120	120	120
Audible Alarm	······································	Y	Y	~	Y	~	✓
Mute Option	· ·						Adj. Volume
Visual Alarm Hard Shell Case	<u> </u>		~	· · · · · · · · · · · · · · · · · · ·	Self-	✓ Self-	Self-
	•	•		_	contained	contained	contained
Warranty	1-Year	1-Year	1-Year	1-Year	5-Year Lim.	5-Year Lim.	5-Year Lim.
POWER SOURCE							
Battery Life (typical in hours)	5	30	14	15		3	8
Low Battery Indication	~	~	V	~		~	
Power Supply/Batteries	4 AA cell alkaline	5 C cell alkaline	4 AA cell alkaline	2 D cell alkaline	120 VAC	12 VDC (internal & external 120VAC)	100 - 240 VAC
CERTIFICATIONS							
UL 913 Intrinsically Safe Class I, Div. 1, Group D	~	V	~				
CE Mark	~	V	~	V	V	V	
SAE J 1627				, V.,	,		
EN14624	(pending)			(pending)	(pending)	(pending)	





A/C, REFRIGERATION AND MAINTENANCE FAMILY OF PRODUCTS

Bacharach offers a complete line of rugged and durable refrigerant recovery machines designed for portability. These units simplify and speed up the recovery of most common refrigerants and are available to meet the requirements of residential, commercial and industrial work environments. In addition, Bacharach offers an A/C refrigeration and maintenance group of products to do the job, including vacuum pumps, scales, manifolds, and swaging and cutting kits.











The Stinger is one of the highest quality refrigerant recovery units on the market. Its powerful compressor will pump refrigerants at a quick pace while preventing pollutants from escaping into the environment. This A/C refrigerant recovery unit has been designed with R410A in mind in addition to other refrigerants, and is perfect for residential and light commercial contractors.

The Bacharach Advantage:

- Vacuum shut off allowing for unattended recovery operation
- Easy to read low vacuum/tank full LED
- Carrying strap
- Improved packaging protects knobs and gauges
- Larger compressor provides better heat dissipation on hot days, IMPORTANT for R-410A
- High torque motor on compressor handles higher pressures under load
- One year over the counter warranty
- Handles almost all refrigerants
- Labeling on rear of unit with directions for proper connection
- Lightweight and compact

REFRIGERANT RECOVERY CAPABILITY

Refrigerants R-12, R-22, R-114, R134a, R-401A, R-401B, R-401C, R-402A, R-402B, R-404A, R-406A, R-407A, R-407B, R-407C, R-407D, R-408A, R-409A, R-410A, R-411A, R-411B, R-412A, R-500A,

R-502B, R-507, R-509

RECOVERY RATES (ARI CERTIFIED)

Vapor Recovery Rate: 0.29lbs./min. (0.13kg/min.) Refigerant R-22 Liquid Recovery Rate: 3.53lbs./min. (1.60 kg/min.)

Liquid Push / Pull: 12.28lbs./min. (5.58 kg/min.) Vapor Recovery Rate: 0.22lbs./min. (0.10 kg/min.)

Refrigerant R-134a Liquid Recovery Rate: 2.66lbs./min. (1.21 kg/min.) Liquid Push / Pull: 10.96 lbs./min. (4.98 kg/min.)

Vapor Recovery Rate: 0.22lbs./min. (0.10 kg/min.) Refrigerant 410a Liquid Recovery Rate: 3.00lbs./min. (1.37 kg/min.)

Liquid Push / Pull: 14.58lbs./min. (6.63 kg/min.)

VACUUM SPECIFICATIONS

Compressor Type 0.8 HP High Performance Oil-less Vacuum Rating 15" Hg + High Pressure Limit 550 PSI (37.9 bar)

OTHER SPECIFICATIONS

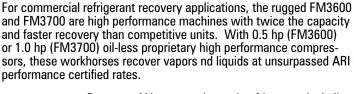
Power Source	110/120 VAC, 1 Phase, 50/60 Hz, 8 Amps
	220-230 VAC, 1 Phase, 50/60 Hz, 4 Amps
Weight	24 lbs. (11 kg)
Warranty	One year, over-the-counter

ORDERING INFORMATION

2006-3800	Stinger Domestic 120V
2006-3801	Stinger Domestic 120V w/ 80% Shut-Off Kit
	Stinger European 230V
2090-0091	Optional 80% Shut-Off Kit











- 550 PSI high pressure cut-off, high pressure gauges
- LED system status display
- · Rugged and reliable
- Automatic shut-off when evacuation is complete
- Self purge and vacuum shut-off
- Hi-low compressor head and valves
- Simple operation / purges clean
- Contains integrated sight glass
- 3/8" ports for faster, high-volume refrigerant recovery



80% Shut-Off

		FM3600	FM3700
REFRIGERANT	RECOVERY CAPABILI		
Refrigerants		All refrigerants except R-11, R-1	113 and R-123
SAMPLE RECO	VERY RATES (ARI CE	RTIFIED)	
R410A	Vapor Recovery Rate:	0.42 lbs./min. (0.19 kg/min.)	0.84 lbs./min. (0.38 kg/min.)
	Liquid Recovery Rate:	3.3 lbs./min. (1.5 kg/min.)	9.37 lbs./min. (4.25 kg/min.)
	Push/Pull Recovery Rate:	15.65 lbs./min (7.1 kg/min.)	53 lbs./min (24.04 kg/min.)
R22	Vapor Recovery Rate:	0.37 lbs./min. (0.17 kg/min.)	0.75 lbs./min. (0.34 kg/min.)
	Liquid Recovery Rate:	4.96 lbs./min. (2.25 kg/min.)	8.31 lbs./min. (3.77 kg/min.)
	Push/Pull Recovery Rate:	13.01 lbs./min (5.9 kg/min.)	50.51 lbs./min (22.91 kg/min.)
R134a	Vapor Recovery Rate:	0.29 lbs./min. (0.13 kg/min.)	0.57 lbs./min. (0.26 kg/min.)
	Liquid Recovery Rate:	3.86 lbs./min. (1.75 kg/min.)	6.12 lbs./min. (2.77 kg/min.)
	Push/Pull Recovery Rate:	11.84 lbs./min (5.37 kg/min.)	41.7 lbs./min (18.92 kg/min.)
VACUUM SPEC	CIFICATIONS		
Compressor Type		0.5 HP High Performance	1.0 HP High Performance
		Oil-less Reciprocating	Oil-less Reciprocating
Vacuum Rating		13" Hg+	
High Pressure Limit		550 PSI (37.9 ba	r)
OTHER SPECIF	ICATIONS		
Power Source		115 VAC, 50/60 H	łz
		230 VAC, 50/60 H	łz
Weight		35 lbs. (15.9 kg)	47 lbs. (21.3 kg)
Dimensions		12" x 13" x 7.5"	12" x 14.25" x 8.75"
		(30.5 cm x 33 cm x 19 cm)	(30.5 cm x 36.2 cm x 22.3 cm)
Self Purging System	1	No hose change	
80% Shut-Off		Ontional	

Optional



ORDERING INFORMATION

UNDERING INFUNIVIATION
2000-3600 FM3600 410A Refrigerant Recovery Unit
2000-3601 FM3600 410A-S Refrigerant Recovery Unit w/80% Shut-off
2000-3611 FM3600 R-S Refrigerant Recovery Unit w/80% Shut-off Feature
2000-3700 FM3700 Refrigerant Recovery Unit
2000-3707 FM3700 Refrigerant Recovery Unit (European model)
2000-3701 FM3700-S Refrigerant Recovery Unit w/80% Shut-off Feature
OPTIONAL ACCESCOPY

OPTIONAL ACCESSORY

2002-0081 Optional 80% Shut-Off Kit



Maintenance Tools

Vacuum Pump

2002-0005

- QV5 (26.25lbs.) 5CFM
- Two stage rotary vane pump
- 1/4" and 3/8" flare and 1/2" ACME intake ports
- Light, compact and well balanced
- High performance vacuum, HP and CFM ratings for all A/C and refrigeration applications
- 110 VAC / 60 Hz

One year warrantyQV2 (21.5lbs.) - 2CFM 2002-0001



Charging Scale CS100

2010-0000

- Auto zero
- Tethered display with flip-up stand
- Adjustable leveling feet with built-in level indicator
- Handles a wide range of both standard and recovery cylinders up to 330lbs (150 kg)

Manifold Sets

2002-4000

· MS040 manifold set with sight glass R-12/22/134a with three hoses (R/Y/B) 60" length, brass manifold body, hanger hook, hose holder, two-handed wheels and 1/4' flare fittings. Gauge pressure: 0-250 PSI and 0-800 PSI. Hose pressure: 800 PSI Max W.P. and 2500 PSI burst pressure

• MS430 manifold set with sight glass

2002-4300

R-410A with three hoses (R/Y/B) 60" length, brass manifold body, hanger hook, hose holder, two-handed wheels and 1/4' flare fittings. Gauge pressure: 0-500 PSI and 0-800 PSI. Hose pressure: 800 PSI Max W.P. and 4000 PSI burst pressure
MS435 4-valve manifold R-410A
MS437 4-valve manifold R-12/22/134a

2002-4350 2002-4375

2002-5000

MS050 manifold set R-12/22/134a with three hoses (R/Y/B) 60" length, brass manifold body, hanger hook, hose holder, two-hand-wheels and 1/4" flare fittings. Gauge pressure: 0-250 PSI and 0-500 PSI. Hose pressure: 500 PSI Max W.P. and 2500 PSI burst pressure





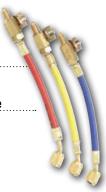
Ball Valve Hose Set

2002-0003

 BV3 Ball Valve Hose Set R-12/22/134a with three hoses (R/Y/B), 6" length and 1/4" flare fittings, hose pressure: 500 PSI Max W.P. and 2500 PSI burst pressure

2002-0040

 BV410A Ball Valve Hose Set 410A with three hoses (R/Y/B), 6" length and 1/4" flare fittings, hose pressure: 800 PSI Max W.P. and 4000 PSI burst pressure





Hose Set

2002-4700

 MS470 hose set R-12/22/134a with three hoses (R/Y/B) 60" length and 1/4 flare fitting. Hose pressure: 500 PSI Max W.P. and 2500 PSI burst pressure

Flaring and Cutting Kit

2002-6400

HT1226 flaring and cutting kit, includes (1) tubing cutter (1/8" to 1 1/8"), and (1) flaring tool (1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8") all in a hard carrying case

2002-6500

• HT278 flaring and cutting kit, includes (1) tubing cutter (1/8" to 1 1/8"), flaring tool with (2) flares (1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4"), (5) swaging adapters (3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4") and (1) refrigeration wrench with 4 square openings (3/16", 1/4", 5/16", 3/8") all in a hard carrying case





Flaring Tool

2002-7100

 HT195 flaring tool (7 sizes) for 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", and 5/8" 0.D. tubing

Swaging Punch

2002-7200

 HT95 swaging punch for 1/4", 5/16", 3/8" 1/2", and 5/8" O.D. tubing



Flaring and Burnishing Tool

2002-0525

• HT525 flaring and burnishing tool, for 3/16" to 5/8" O.D. tubina



Tubing Cutter

2002-0780 HT780 tubing cutter, capacity 1/8" to 7/8" O.D. tubing

HT1818 tubing cutter, aluminum alloy 2002-1818 body, chrome plated with spare cutter wheel. Capacity 1/8" to 1 1/8" 0.D. tubing

HT1858 tubing cutter, capacity 1/8" to 5/8" 0.D.

2002-1858

HT1878 tubing cutter, zinc plated finish, capacity 2002-1878 1/8" to 5/8" 0.D. tubing

Heavy Flaring Tool

2002-7000

• HT203 heavy flaring tool for 5/8", 3/4", 7/8" and 1 1/8" 0.D. tubing





Flaring Tool

2002-6100

HT500 flaring tool for 3/16" 1/4", 5/16", 3/8", 1/2" and 5/8" 0.D. tubing

Humidity-Temperature Meter

2002-1800

Humidity-temperature meter with case





Telescopic Inspection Mirrors

2002-0300

• HT3IM telescopic inspection mirrors, set of 4



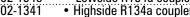
PVC Pipe Cutter

2002-2120 • HT212 PVC pipe cutter, capacity up to 1 5/8"



Coupler

2002-1340 • Lowside R134a coupler 2002-1341 • Highside R134a coupler





Valve Core Removal Tool

2002-0125 · HTVCRT double ended valve core removal tool



Refrigeration Ratchet Wrench

2002-0112

HTRW122 refrigeration ratchet wrench with 4 square openings, 3/16",

2002-0123

1/4", 5/16" and 3/8"
HTRW123 refrigeration ratchet wrench with 3/16" and 1/4" square openings and 1/2" and 9/16" hex openings

Capillary Cutter

2002-8000 HT128 capillary cutter





A/C Refrigeration Family of Products	Stinger"	FM3600	FM3700
WHAT THEY DO	® ⊚	G (1)	①
Recovers All Commonly Used Refrigerants Including R410A	~	~	~
Recovers Vapor and Liquid	V	V	V
HOW DO THEY WORK?			
Vacuum Shut-Off Switch	✓	V	~
Oil-less Compressor	✓	~	✓
Single Piston Compressor	Y	✓	
Dual Piston Compressor		F1.400000	~
Filter Dryer		FM3600R-S	
SPEED OF RECOVERY (LB/MIN)-R410A			
Liquid Refrigerant Recovery Rate	3.0 lbs/min	3.3 lbs/min	9.4 lbs/min
Vapor Refrigerant Recovery Rate	.22 lbs/min	.42 lbs/min	.84 lbs/min
WHAT THEY FEATURE			
WHAT THEY FEATURE			
LED Status Light	<u> </u>	V	<u> </u>
Carrying Strap Easy to Read Gauges	<u> </u>	<u> </u>	√
Weight	24 lbs	35 lbs	47 lbs
Size	11"H x 17"L x 9.5"W	12"H x 13"L x 7.5"W	12"H x 14.25"L x 8.75"W
Warranty	One Year Over	1-Year	1-Year
vvairanty	the Counter	1-1641	1-1641
POWER SOURCE			
Power Source	110-120 VAC 1 Phase 50/60 HZ, 8 Amps 220-230 VAC	115 VAC 50/60 HZ, 230 VAC 50/60 HZ, 100 VAC 50/60 HZ	115 VAC 50/60 HZ 230 VAC 50/60 HZ, 100 VAC 50/60 HZ
WHAT CAN BE ADDED			
80% Tank Shut-Off	~	Comes standard with FM3600R-S	Comes standard with FM3700-S
CERTIFICATIONS			
ARI Performance Certification	<i>y</i>		
CE Mark		-	······································

Fixed Gas Monitors





BACHARACH'S GAS LEAK MONITOR FAMILY OF PRODUCTS

Bacharach monitors provide a unique combination of high sensitivity, large dynamic measurement range and speed of response. Utilizing infrared technology, these single and multi-zone products allow customers point by point customization, remote communications, centralized reporting and maintenance. Mainly used to detect and monitor Halogen and Ammonia refrigerant gases found in mechanical rooms, grocery stores and manufacturing. These state-of-the-art products lead the industry in performance, cost of ownership, integration capabilities and cost. Bacharach's gas leak monitor family of products are compliant with ASHRAE standard, 15-9994 and 15-2004.



Fixed Gas Monitors

Single Zone Gas Leak Monitor (HGM-SZ / AGM-SZ) 🕒 🕕







The HGM-SZ (Halogen Gas Monitor Single Zone) is designed for continuous single-point monitoring of CFC, HFC, HCFC, and Halon refrigerant gases. The HGM-SZ displays the type of gas being monitored, along with displaying both the current gas level and the peak gas level detected on its front panel LCD. The instrument retains a log of previous readings that can be easily accessed for analysis.

An internal audible alarm and front panel indicators are provided to signal alarm and fault conditions, and relay contacts can be used to trigger external alarm devices in the event of a system fault, or if a leak (small), spill (medium), or evacuation (large) level of gas is detected. The system also includes a 4-20 mA current loop interface that can be connected to remote monitoring equipment. Bacharach's gas leak monitor family of products are compliant with ASHRAE standards, 15-9994 and 15-2004.

SENSING TECHNOLOGY

Detector Single Pass, Non-dispersive Infrared (NDIR)

GASES DETECTED

HGM - SZ

R-11, R-12, R21, R-22, R-23, R-113, R-114, R-123 R-124, R125, R-134a, R-227, R236FA, R245Fa, R-401a, R-402a, R-402b, R-404a, R-407a, R407c, R-408a, R409a, R-410a, R422a, R422d, R424A, R426A, R427a, R-500, R-502, R-503, R-507, R508b, HFP, H-1211, H-1301, H-2402, N-1230, FA188, FC72, HFO-1234YF

Ammonia (NH3) - also known as R-717 **MEASUREMEN** RANGE / RESOLUTION

0 -10,000 ppm in 1 ppm increments 25 -10,000 ppm in 1 ppm increments All Refrigerants Ammonia

OUTPUTS

Alarm Relays 3 ea. SPDT, 5 Amp, 240 VAC rated 1 ea. SPDT, 5 Amp, 240 VAC rated System Fault Relay Digital Display Output 1 dedicated 4-20 mA analog output (floating ground)

system fault

FRONT PANEL DISPLAY

3 Indicator Lights Green = Monitor is powered on. LED glows during normal operation; flashes when unit is in warm-up mode Red = Alarm. LED flashes when any point has exceeded the alarm setting Yellow = Fault. LED flashes when there is a

COMMUNICATIONS

Full two-way communication with HGM-RD Display Module or Building Management System via RS-485 serial interface. RS-232C communication port standard

OTHER SPECIFICATIONS

100 to 240 VAC, 50/60 Hz Power 7.5"H x 13.5"W x 3.625"D (190.5 x 343 x 92 mm) Dimensions 5.5 lbs (2.5 kg.) Maximum Monitoring Up to 500 feet, from measuring point to monitor

CERTIFICATIONS

UL 61010-1, CSA 22.2 No. 61010-1 EN14624 & CE Mark

- Single zone gas leak refrigerant monitor
- Measurement range of 0-10,000 ppm
- Sensitivity to 1 ppm
- Provides continuous, unattended monitoring
- Capable of detecting and measuring any CFC, HFC or HCFC
- Can monitor a location up to 500 feet from display unit
- Other models are available that detect and monitor gases such as low range and high range CO_2 , and Nitrous Oxide (N_2O)

ORDERING INFORMATION

3015-4200 HGMSZ single zone monitor (includes 1 termination filter, 50 ft. of 304-2742 sample line tubing and 50 ft. of 304-2743 exhaust /purge line tubing)

AGMSZ single zone monitor (includes 1 termination filter, 3015-4280

50 ft.of 304-2742 sample line tubing and 50 ft.of 304-2743

exhaust /purge line tubing)

Fixed Gas Monitors







■ Multi-Zone Gas Leak Monitor (HGM-MZ / AGM-MZ)

The Multi-Zone Gas Leak Monitor is a multiple area monitoring system for low level continuous monitoring of refrigerant gases used in most commercial systems including; CFC, HCFC, HFC and Ammonia. This state-of-the-art product leads the industry in performance, cost of ownership, integration capabilities and cost. Capable of detecting more than 35 refrigerant gases, the system design supports compliance to gas monitoring requirements of ANSI/BSR ASHRAE 15-1994 and 15-2004.

Bacharach's HGM-MZ uses stable infrared detection technology, and therefore requires only minor periodic maintenance such as the occasional replacement of filters. The monitor incorporates active diagnostics that continuously check the system for proper operation. An audible alarm and front panel indicators are provided to signal alarm and fault conditions, and relay contacts are provided that can be used to trigger external alarm devices in the event of a system fault or preset gas level thresholds.



SENSING TECHNOLOGY

Single Pass, Non-dispersive Infrared (NDIR) Detector

GASES DETECTED

HGM - MZ

R-11, R-12, R-22, R-23, R-113, R-114, R-123 R-124, R-134a, R-227, R236FA, R-401a, R-402a, R125, R-402b, R-404a, R-407a, R407c, R-408a, R409a, R-410a, R-500, R-502, R-503, R-507, R508b, H-1211, H-1301, H-2404, N-1230

AGM-MZ

Ammonia (NH3) - also known as R-717 RANGE / RESOLUTION MEASUREMEN

0 -10,000 ppm in 1 ppm increments 25 -10,000 ppm in 25 ppm increments All Refrigerants Ammonia

OUTPUTS

Relays

Four SPDT alarm contacts are provided (rated 5 Amps at 250 volts). Three assigned to ppm level alarms, one assigned to system fault

FRONT PANEL DISPLAY

Green = Monitor is powered on. LED glows during 3 Indicator Lights normal operation; flashes when unit is in warm-up Red = Alarm. LED flashes when any point has exceeded the alarm setting Yellow = Fault. LED flashes when there is a system fault

COMMUNICATIONS

Full two-way communication with HGM-RD Display Module or Building Management System via RS-485 serial interface. RS-232C communication port standard

OTHER SPECIFICATIONS

Power	100 to 240 VAC, 50/60 Hz. 20 W
Dimensions	12.23" H x 13.7" W x 4.96" D
Weight	15 lbs
Maximum Monitoring	15 lbs Up to 1,200 feet, from measuring point to monitor
Distance	•

CERTIFICATIONS

UL 61010-1, CSA 22.2 No. 61010-1 EN14624 & CE Mark

- Fastest response time in the industry
- Longest sampling distance of up to 1,200 feet
- Rapid identification of alarm type, leak size and location
- Free air calibration to ambient air thus eliminating the need to gas calibrate
- Monitors up to 16 zones with a maximum of 64 zones in combination with 4 monitors controlled by the Remote Display accessory unit
- Full two-way communications via RS-485

ORDERING INFORMATION

3015-5043	Halogen Gas Monitor 4 Zones
3015-5044	Halogen Gas Monitor 8 Zones
3015-5045	Halogen Gas Monitor 12 Zones
3015-5046	Halogen Gas Monitor 16 Zones
3015-5047	Ammonia Gas Monitor 4 Zones
3015-5048	Ammonia Gas Monitor 8 Zones
3015-5049	Ammonia Gas Monitor 12 Zones
3015-5050	Ammonia Gas Monitor 16 Zones
MULTI-ZOI	NE KITS
3015-5330	Halogen Gas Monitor 4 Zones + Remote Display

3015-5330	Halogen Gas Monitor 4 Zones + Remote Display
3015-5331	Halogen Gas Monitor 8 Zones + Remote Display
3015-5332	Halogen Gas Monitor 12 Zones + Remote Display
3015-5333	Halogen Gas Monitor 16 Zones + Remote Display
3015-5334	Ammonia Gas Monitor 4 Zones + Remote Display
3015-5335	Ammonia Gas Monitor 8 Zones + Remote Display
3015-5336	Ammonia Gas Monitor 12 Zones + Remote Display
3015-5337	Ammonia Gas Monitor 16 Zones + Remote Display
ACCECCO	DIFC

3015-5138	Remote Display for HGIVI-IVIA	(see page 30)
3015-5139	Remote Display for AGM-Ma	Z (see page 30)













The Remote Display (HGM-RD/AGM-RD) is a Multi-Zone accessory that is placed in an alternate location from the MZ with access to the diagnostics, communications and control of the unit.

- Remote access to control room for Multi-Zone data and diagnostics
 Quickly identify and resolve potential system faults
 Rapid identification of alarm type, leak size, and location
 Can connect up to 4 Multi-Zones expanding zone coverage to 64

		SSORIES FOR THE MULTI-ZONE MONITORS
HGN	l or AGM	
		Multi-Zone Accessories
3015-3076	BOTH	Audio-Visual Alarm, 120 VAC
3015-3411	BOTH	4 Zone Line End Filter Kit (4 line end filters)
3015-3429	BOTH	Standard Accessory Kit 4 Zone Monitor (5 line end filters & 1 charcoal filter)
3015-3430	BOTH	R-22 Gas Verification Kit
3015-3437	BOTH	R-134a Gas Verification Kit
3015-3438	BOTH	R-123 Gas Verification Kit
3015-3850	BOTH	R-123 Gas Verification Kit 1031 Cylinder, 100 PPM R-22
3015-3851	BOTH	1031 Gyillider, 100 FFIVI n-134a
3015-3852	BOTH	1031 Cylinder, 100 PPM R-123
3015-3949	BOTH	Standard Accessory Kit 8 Zone Monitor (9 line end filters & 1 charcoal filter)
3015-3950	BOTH	Standard Accessory Kit 8 Zone Monitor (9 line end filters & 1 charcoal filter) Standard Accessory Kit 12 Zone Monitor (13 line end filters & 1 charcoal filter)
3015-3951	BOTH	Standard Accessory Kit 16 Zone Monitor (17 line end filters & 1 charcoal filter)
3015-4121	BOTH	120 VAC Surge Protector
3015-4123	BOTH	4-20 mAdc Surge Protector
3015-4230	BOTH	N2 (JCI Metasys) Communications Package
3015-4231	BOTH	LOH WORKS COMMUNICATIONS FACKAGE
3015-5171	BOTH	4 Zone Expansion Kit (max. of 3 per HGM300) Note: Must order M1110BN also.
3015-5199	BOTH	Annual maintenance kit (Charcoal Filter and Hydrophobic filter)
		SSORIES FOR THE SINGLE-ZONE MONITORS
	AL ACCE	SSORIES FOR THE SINGLE-ZONE MONITORS
HGN	l or AGM	Single-Zone Accessories
HGN 3015-4121	Or AGM BOTH	Single-Zone Accessories 120 VAC Surge Protector
3015-4121 3015-4123	O O O O O O O O O O O O O O O O O O O	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector
3015-4121 3015-4123 3015-3069	O O O O O O O O O O O O O O O O O O O	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC
3015-4121 3015-4123 3015-3069 3015-3070	BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076	BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC
3015-4121 3015-4123 3015-3069 3015-3070	BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076	BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076	BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076 REPLACEM 0007-1650 0204-0020	OF AGM BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery
3015-4121 3015-4123 3015-3069 3015-3076 3015-3076 REPLACEM 0007-1650	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076 REPLACEM 0007-1650 0204-0020	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings
3015-4121 3015-4123 3015-3069 3015-3076 3015-3076 REPLACEM 0007-1650 0204-0020 3015-2906 3015-3225 3015-3235	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings Air Sample Tubing (250 ft. roll)
3015-4121 3015-4123 3015-3069 3015-3076 3015-3076 REPLACEM 0007-1650 0204-0020 3015-2906 3015-3125	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings Air Sample Tubing (250 ft. roll) Line End Filter Assembly
3015-4121 3015-4123 3015-3069 3015-3076 3015-3076 REPLACEM 0007-1650 0204-0020 3015-2906 3015-3225 3015-3235	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings Air Sample Tubing (250 ft. roll)
3015-4121 3015-4123 3015-3069 3015-3076 3015-3076 REPLACEM 0007-1650 0204-0020 3015-325 3015-325 3015-325	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings Air Sample Tubing (250 ft. roll) Line End Filter Assembly Single Zone Replacement Parts Hydrophobic Filter
3015-4121 3015-4123 3015-3069 3015-3070 3015-3076 REPLACEM 0007-1650 0204-0020 3015-3025 3015-3225 3015-3420	BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH	Single-Zone Accessories 120 VAC Surge Protector 4-20 mA DC Surge Protector Visual Alarm, 120 VAC Audio Alarm, 120 VAC Audio-Visual Alarm, 120 VAC TS Multi Zone Replacement Parts Hydrophobic Filter NiCad Battery Line End Filter Only Charcoal Filter Assembly with Fittings Air Sample Tubing (250 ft. roll) Line End Filter Assembly Single Zone Replacement Parts





BACHARACH'S SAFETY & SPECIALTY FAMILY OF PRODUCTS

Bacharach's broad experience and exceptional capabilities in the design and manufacture of gas monitors and analyzers over the years has led to the development of many special purpose products. These products often serve as tools in safety systems as well as various areas of performance test and measurement. Following are a few examples of specialty Bacharach products. The instruments included in this section are designed for the measurement of carbon monoxide, carbon dioxide and sulfur hexafloride. These units serve unique purposes with a heavy emphasis on safety. Feel free to contact Bacharach if your monitoring need is out of the ordinary.

- Residential appliances, home inspection (CO)
- Food processing, pipe leak testing, flue gas (O2)
- Safety and indoor air quality (CO₂)
- Incubators, medical gases (CO₂)
- Horticulture, food processing (CO2)
- · Air velocity and temperature meters
- · Oxygen, air velocity and RH





Monoxor® III / Oxor® III @ G



Single gas monitors for Carbon Monoxide or Oxygen. Ideal for indoor air quality or food processing. These hand-held battery-operated monitors are versatile and easy to use. Each unit comes with a stainless steel probe assembly for remote sensing.

- Monoxor® III includes probe and hose assembly, print capability, instruction manual and hard carrying case
- Oxor® III measures and displays CO range of 0-2,000 ppm
- Easy and affordable
- Oxor® III measures ambient air or O₂ deficiency
- Resolution to 1 ppm
- Full 4 digit display
- 18 hour battery life
- Monoxor®III Kit includes printer, probe and hose assembly, carrying strap, instruction manual and hard carrying case
- Oxor® III includes probe, hose assembly and hard carrying case
- Measures and displays O₂ from 0-20.9%
- Oxor® III kit includes 4AA batteries, probe and hose assembly and a hard carrying case plus an IRDA printer

Monoxor® III Specifications

SENSING TECHNOLOGY

Electrochemical sensor

GASES MEASURED / RANGE (RESOLUTION)

Carbon Monoxide 0-2000 ppm (in 1 ppm increments)

WARM-UP TIME

10 or 60 seconds (depending on CO channel zero setup)

DISPLAY

Four-digit LCD display with backlight

OPERATING TEMPERATURE

32°-104°F (0 - 40°C) Instrument

Probe 1000°F (535°C) at 5" insertion

OTHER SPECIFICATIONS

Power Four 'AA' alkaline batteries (included) Up to 18 hours continuous operation Battery 7.5" H x 3.1" W x 2.1" L (19cm H x 7.9cm W x 5.3cm H) 16 oz (0.45kg) with batteries Two years, including sensor

Oxor® III Specifications

SENSING TECHNOLOGY

Electrochemical sensor **GASES MEASU RED / RANGE (RESOLUTION)**

0 - 20.9% (in 0.1% increments)

WARM-UP

90% of final value in 30 seconds

DISPLAY

Four-digit LCD display with backlight

OPERATING TEMPERATURE

32°-104°F (0 - 40°C) Instrument

Probe 1000°F (535°C) at 5" insertion

OTHER SPECIFI CATIONS

Power Four 'AA' alkaline batteries (included) Battery Up to 18 hours continuous operation 7.5" H x 3.1" W x 2.1" L (19cm H x 7.9cm W x 5.3cm H) 16 oz (0.45kg) with batteries Two years - instrument; one year - sensor Weight Warranty

ORDERING INFORMATION

Monoxor® III CO Monitor Monoxor® III CO Kit ACCESSORIES 19-8104 19-8105 **OPTIONAL** IrDA Printer w/ Disposable Batteries
IrDA Printer w/ Rechargeable Batteries 24-1400 24-1229

24-1310 Printer Paper (5 rolls) Filter Element for Water Trap (pkg of 3) 07-1644

ORDERING INFORMATION

Oxor® III Oxygen Monitor Oxor® III Oxygen Kit 19-8112 19-8113

OPTIONAL ACCESSORIES

11-0121

24-1400 IrDA Printer w/ Disposable Batteries IrDA Printer w/ Rechargeable Batteries 24-1229 Printer Paper (5 rolls) Filter Element for Water Trap (pkg of 3) 24-1310 07-1644

Wool Saturator for Probe Tube (pkg of 10)



Smfit

ppm ca

BACHARACH



Bacharach's affordable Snifit monitors accurately measure carbon monoxide levels in a variety of applications. Small and lightweight, yet durable for service technicians, the Snifit quickly and precisely measures CO levels from 0-1,999 ppm. With simple-button operation the monitors are easy to use and maintain.

19-7060

- Ideal for ambient air safety checks on residential appliances, home inspection and HVAC Service
- · Measures and displays Carbon Monoxide 0-1,999 ppm, 1 ppm resolution
- Small enough to fit in your pocket
- Backlight for low light conditions
- Three button operation
- · Low battery indicator

SENSING TECHNOLOGY

Electrochemical sensor (CO)

GAS MEASURED / RANGE (RESOLUTION) Carbon Monoxide 0-1999 ppm (in 1 ppm increments)

DISPLAY

Four-digit LCD display with backlight

OPERATING TEMPERATURE 32°-104°F (0 - 40°C) OTHER SPECIFICATIONS

Power	Une 9 voit pattery
Battery Life	6 months with normal duty cycles
Size	5.5" H x 2.0" W x 1.57" L (14 cm H x 5 cm W x 4 cm L)
Weight	8 oz (0.23kg) with battery



Portable Gas Analyzers 🔘 🕕





The Bacharach CO₂ Monitor 2800 is a personal detection and warning device that immediately responds to excessive amounts of carbon dioxide. The Bacharach CO2 monitor is based on the principle of infrared absorption and has two preset alarm levels at 5,000 ppm and 10,000 ppm. When either of these levels is reached, audible and visual alarm signals are activated, sounding until the CO₂ level drops below the lowest pre-set level. These measurement range and preset alarm levels can be changed using the instrument's integral IrDA communications link and the optional BACH-COM software.

- Compact and lightweight
- Rapid detection of changing CO₂ levels
- Maintenance free/dual wavelength infrared CO₂ sensor
- Automatic data logging provides complete CO₂ exposure record
- Adjustable audible and visual alarms

SENSING TECHNOLOGY

Infrared (IR)

GAS MEASURED / RANGE (RESOLUTION)

Factory Set or User-Selectable Range w/ optional software Carbon Dioxide 0-50,000 ppm (in 100 ppm increments) 0-5% (in 0.01 % increments)

RESPONSE TIME

T90<10 seconds @5,000 & 10,000 ppm (preset alarm levels)

DISPLAY

Four-digit LCD display with backlight

AUDIBLE ALARIV

85 dB @ 0.5 meters

OPERATING TEMPERATURE

Instrument 32°-104°F (0 - 40°C)

RELATIVE HUMIDIT

0-99% (non-condensing)

OTHER SPECIFICATIONS

Rechargeable NiMH battery Power Battery Life 10 hours of continuous use 5.5" H x 2.6" W x 0.8" L Size (14 cm H x 6.6 cm W x 2 cm L) 7 oz (0.2kg) with battery Case / Seal High-impact ABS with IP65 rating

ORDERING INFORMATION

19-7101	CO2 Model 2000 (Specify range)	
OPTIONAL	. ACCESSORIES	
19-3301	IrDA Interface BACH-COM Software	
19-3304	Protective Rubber Boot	
19-3302	Car Charger (12 VDC)	
10-3303	Earpnone	
19-3305	Calibration Cup	
51-2978	Calibration Kit (regulator and tubing only)	
54-0600	Calibration Gas (340 ppm CO2)	





Portable Gas Monitors 🔾 🕕





New portable safety and specialty gas monitors designed to measure CO2 for verification of incubators, analyze CO2 levels for indoor air quality (IAQ) and other safety needs. Developed to incorporate the lastest infrared technology and provide a long life and low maintenance.

- · Fast and accurate
- Quick downloads
- · Large data storage space
- Easy to use key pads

CO₂ Model 3100

19-7076	• CO ₂ Only
19-7077	\bullet UU_2/U_2
19-7078	 CO₂ / O₂ and RH

CO₂ Model 3150

19-7136	• CO ₂ Only
19-7137	
19-7138	• CO_2/O_2 and RH

GASES MEASURED	CO ₂ MODEL 3100 CO ₂ , O ₂ (OPTIONAL)	CO ₂ MONITOR 3150 CO ₂ , O ₂ (OPTIONAL)
Range/ Resolution		
CO ₂	0-20% / 0.1% increments	0-10,000 ppm / 5 ppm increments
02	0-100% / 0.1% increments	0-100% / 0.1% increments
Response Time		•••••••••••••••••••••••••••••••••••••••
CO ₂	T90 ≤20 seconds	T90 ≤20 seconds
02	T90 ≤60 seconds	T90 ≤60 seconds
OTHER MEASUREMENT	S	
Temperature (Optional)	Up to 2 readings using optional probes	Up to 2 readings using optional probes
	32 °F to +122 °F (0 - 50 °C)	32 °F to +122 °F (0 - 50 °C)
RH measurement (Optional*)	RH Probe 0-100% RH non-condensing	RH Probe 0-100% RH non-condensing
OTHER SPECIFICATIONS		
Operating Temperature Range	41°F - 104°F (5°C - 40°C)	41°F - 104°F (5°C - 40°C)
Humidity Range	0-95% non condensing	0-95% non condensing
	(RH Probe 0-100% non condensing)	(RH Probe 0-100% non condensing)
Dimensions	L 6 1/2" x W 4" x D 2 3/16"	L 6 1/2" x W 4" x D 2 3/16"
Weight	18 oz	18 oz
Power Source	Li-Ion (Lithium Ion) Rechargeable Battery	Li-Ion (Lithium Ion) Rechargeable Battery
Runtime	10 Hours (8 hours with pump running)	10 Hours (8 hours with pump running)
Charger	Universal AC Charger (120-240 VAC)	Universal AC Charger (120-240 VAC)
Charge Time	3 Hours	3 Hours
Alternative Power	USB connector to PC (power only)	USB connector to PC (power only)
Pump Flow	100cc/min typically	100cc/min typically
Data Storage	1000 readings + 270 events	1000 readings + 270 events
Data Download (Optional)	USB type B mini-connector, HID device class	USB type B mini-connector, HID device class
Instrument	1 year	1 year
Sensor (CO ₂)	3 years (excluding cell contamination)	3 years (excluding cell contamination)
•••••		•••••••••••••••••

Instrument comes with: Sensor options as ordered, battery (installed), charger (120 - 230 VAC), sample tubing line (1 m), dust filter, operating instructions.

^{*} RH Option must be chosen at the time of order. Comes with RH probe.







🔾 🕕 Portable Area Gas Monitor

Bacharach's Portable Area Gas Monitor is an advanced instrument using non-dispersive infrared (IR) technology which provides superior stability and repeatability. The unit can provide readings in either parts per million (ppm) or elapsed time weighted average (TWA) with a resolution down to 1 ppm. The internal pump and self-contained purge-air bag provides a constant zero enabling the monitor to be used in contaminated environments without affecting the readings of the target gas. Additional features include datalogging of up to 200 readings, and a leak check mode with audible and visual alarms.

- This area gas monitor ultizes infrared technology for detection and measurement of gases including SF6, MeBR, N₂0, and refrigerants
- Seeks out low-level leaks with display and alarm
- Download and print capabilities
- Applications include fumigation gas detection, safe entry, switch gear protection and refrigeration gas monitoring
- Two year warranty
- Instrument comes with battery pack, charger and soft case

SENSING TECHNOLOGY

Non-Dispersive Infrared (NDIR)

GASES DETECT

Refrigerants

CFC, HFC, and HCFC unit; R-11, R-12, R-21, R-22, R-23, R-113, R-114, R-123, R-124, R-125, R-134a, R-227, R-236FA, R-245FA, R-401A, R-402A, R-402B, R-404A, R-407A, R-407C, R-408A, R-409A, R-410A, R-422A, R-422D, R-424A, R-426A, R-427A, R-500, R-502, R-503, R-507, R-508B, FA188, FC72, H-1211, H-1234YF, H-1301, H-2402, HFP, N-1230

Sulfur Hexafloride (SF6) Nitrous Oxide (N2O)

Methyl Bromide (MeBr)

MEASUREMENT RANGE/ RESOLUTION

All Gases

Warranty

0-1000 ppm in 1 ppm increments

RESPONSE

90% of response within 5 seconds; 100% in 7 seconds

WARM UP TIME

15 minutes

OTHER SPECIFICATIONS

Internal Pump 1 lpm typical Power Li-Ion rechargeable battery with battery life indicator **Operating Temperature** Range 32 to 122°F (0 to 50°C) Storage Temperature –4 to 122°F (–20 to 50°C) Range Operating Humidity 5 to 90% RH, non condensing Range 8"D x 19"W x 5"H (20.3 cm x 48.3 cm x 12.7 cm) 6 lbs. 12oz (3.07 kg) Internal audible alarm, programmable Weight Leak Check Mode w/ Probe (+3 ft tubing) Visual alarm indicator 2 Years (excluding contamination)

ORDERING INFORMATION

3015-4484	Refrigerant Gases
3015-4790	Nitrous Oxide (N₂O)
3015-4785	Methyl Bromide (MeBr)
3015-5148	Sulfur Hexafloride (SF6)*
*Special Order	Only



IAO Tools



Sling Psychrometer

The Sling Psychrometer accurately determines percent relative humidity without the necessity of consulting complex tables. The Sling Psychrometer contains a slide rule calculator which correlates wet and dry bulb thermometer indications for direct reading of relative humidity.

	 +25°F to +120°F Red Spirit Filled
	• -5° to +50°C Red Spirit Filled
12-0266	• Thermometer (+25°F + 120°F Red Spirit Filled)
	Thermometer (-5° to +50°C Red Spirit Filled)
12-0011	Wick Replacement Kit - contains 4 wicks
06-5456	• Can

These air velocity meters are easy to use. Simply hold the Florite® in the air stream or in an open area or against the face of a flat-surfaced register, so that air current is flowing directly into the instrument. No stop watch, curves or calculations of any kind are necessary.

16-7002

 Florite® Model MRF, 0-1,000 FPM
 Florite® Model MRF, dual scale, 0-3,000 FPM and 0-35 MPH





Floret®

The Floret "is an ideal pocket size air flow indicator for applications where readability to 50 ft/min is adequate. The Floret is a handy instrument that can be used for checking air flow through openings as small as 1/4" in diameter.

16-7009

Floret[®] Model, 0-1,000 FPM

Anemometer Model TH4200

2042-0000

- 0-8,800 FPM
- Coiled Cable Vane Head
- Temperature: $32^{\circ}F 140^{\circ}F$ ($0^{\circ}C 60^{\circ}C$)
- · Data hold and low battery indication
- · Sensitive for low/high air velocity
- Also displays in Km/hr, Knots, M/S
- · Includes soft carrying case and battery





Safety & Specialty Products	Snifit®	Monoxor® III	Oxor® III	CO2 3100	CO2 3150	CO2 2800
WHAT THEY DO	MA	SCHOOL CO.		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 mm	DB
Measure Indoor Air Quality	✓	~	~		✓	
Function as a Personal Protection Device	✓					~
Function as a Test Instrument		~	V	~	~	V
WHAT THEY MEASURE						
Carbon Monoxide (CO)	0-1,999 PPM	0-2,000 PPM				
Carbon Dioxide (CO ₂)				0-20%	0-10,000 PPM	0-50,000 PPM or 0-5%
Oxygen (O ₂)			0-20.9%	0-100%	0-100%	
Nitrous Oxide (N₂O)						
Temperature				Optional	Optional	
Relative Humidity				Optional	Optional	
MEASUREMENT CHARACTERISTICS						
Response Time (Seconds to 90%)	<30	<40	<40	<20	<20	<10
Warm Up Time (Seconds)	30	10 or 60	60	15	15	20
WHAT THEY FEATURE						
Digital Readout of Measurement	Backlit	Backlit	Backlit	Backlit	Backlit	Backlit
Visual Alarm				✓	~	~
Audible Alarm				~	✓	✓
Datalogging				V	V	V
Printer Port		IrDA	IrDA	USB	USB	IrDA
Power Source	9V Alkaline	4 'AA' Alkaline	4 'AA' Alkaline		Li-ion Rechargable	NiMHRechargable
Warranty	1-Year	2-Year	2-Year	1-Year	1-Year	1-Year
CERTIFICATIONS						
CE-MARK	~	~	~	~	~	✓



Accessories & Replacement Parts

REPLACEI	WENT SENSORS
24-1467	B-Smart [™] Carbon Monoxide Sensor for Fyrite [®] INSIGHT
19-7061	Carbon Monoxide (CO) Sensor for Snifit®
24-7265	Carbon Monoxide (CO) Sensor for Fyrite® INSIGHT/Tech/Monoxor®III
24-0997	Carbon Monoxide (CO) Sensor (High) for Fyrite® ECA 450/PCA®2
24-0789	Carbon Monoxide (CO) Sensor (Low) forFyrite® ECA 450/PCA®2
24-1055	Combustible Sensor for Fyrite® ECA
24-0881	Nitric Oxide (NO) Sensor for Fyrite® ECA
24-1027	Nitrogen Dioxide (NO₂) Sensor for Fyrite® ECA/PCA®2
24-0788	Oxygen (O₂) Sensor for Fyrite® ECA/PCA®2/INSIGHT
24-8106	Oxygen (O₂) Sensor for Fyrite® Tech & Oxor®III
24-0998	Sulfur Dioxide Sensor, SO ₂ for Fyrite® ECA/PCA®2
19-0499	Combustible Sensor for Informant® 2
19-0575	Combustible Sensor for Leakator® Jr.
19-0510	Refrigerant Sensor for Informant® 2
19-0559	Refrigerant Sensor for Tru Pointe®
3015-0486	Refrigerant Sensor for H-10G & H-10PM
19-0398	Sensor and Resistor for Leakator® 10
ACCESSO	
24-1124	20' Hose Extensions (w/Sample, Draft & Thermocouple Lines)
3015-0131	AC Adapter (120V) for H10-PM
3015-0147	AC Adapter (240V) for H-10G
24-1254	AC Power Adapter (universal) for Fyrite® INSIGHT/Monoxor®III & Oxor® III
24-1404	AC Power Adapter (universal) Fyrite® PCA®2
3015-3076	Audio - Visual Alarm 120 VAC for HGM-MZ & HGM-SZ
3015-0103	Battery for H10PM
19-0397	Carrying Case for Leakator ®10
19-0501	Carrying Case for Tru Pointe®
24-7224	Compact Sample Conditioner/Probe Assembly for Fyrite® ECA 450/PCA®2
24-1492	Fyrite® Recording Kit (Printer, CD and USB Cable) for Fyrite® ECA 450/PCA®2
24-1470	Fyrite® User Software CD for Fyrite® ECA 450/PCA®2
24-1491	Fyrite® User Software Kit (CD and USB Cable) for Fyrite® ECA 450/PCA®2
24-0865	Hard Carrying Case for Fyrite® PCA®2/INSIGHT/Tech
24-8214	Pressure Accessory Kit for Fyrite® ECA 450/PCA®2/INSIGHT
19-3037	Probe Stop - Universal for Fyrite® ECA 450/PCA®2/INSIGHT
24-1127	Protective Rubber Boot with Magnet for Fyrite® Tech
24-1409	Protective Rubber Boot with Magnet for Fyrite® PCA®2/INSIGHT
104-4027	Serial Cable for Fyrite® Tech
24-1267	Soft Carrying Case for Fyrite® Tech
104-1798	Thermocouple, 1' (for Ambient Air Temperature)
104-1797	Thermocouple, 10' (for Primary Air)
104-4032	USB Cable for Fyrite® PCA®2/INSIGHT
19-0553	Probe Assembly for Tru Pointe®
19-3091	Probe Assembly for Leakator® 10
19-0497	Protective Rubber Boot for Informant® 2
24-8414	Thermocouple Kit, 12 inch for Fyrite® ECA 450/PCA®2/INSIGHT

Accessories & Replacement Parts



REPLACE	MENT PARTS: FILTERS
3015-5199	Annual Maintenance Kit (1 internal Filter,1Charcoal Filter) for HGM-MZ
3015-4306	Charcoal Filter for HGM-SZ
3015-3125	Charcoal Filter with Fittings for HGM-MZ
07-1654	Desiccant Filter for Portable Area Monitor
07-1650	Hydrophobic Filter for HGM-MZ & HGM-SZ
3015-4415	Hydrophobic Filter for H25-IR
07-1700	Inline Filter for Stinger®
07-1563	Filter for Inlet of Gas Pump for Fyrite *ECA 450/PCA*2/INSIGHT
3015-3420	Line End Filter for HGM-MZ & HGM-SZ
24-0987	Sensor Filter, CO (High) for Fyrite® ECA 450/PCA®2
24-0863	Sensor Filter, CO (Low) for Fyrite® ECA 450/PCA®2
24-0862 19-3265	Sensor Filter, NO for Fyrite® ECA 450/PCA®2 Water Trap/Filter Assembly for Fyrite® PCA®2/INSIGHT/Tech
24-1172	Water Trap/Filter Assembly for Fyrite ECA 450
19-3318	Moisture Removal Kit
3015-4515	Plastic Probe Tip Filter (Package of 10) for H25-IR
3015-4516	Plastic Probe Tip Filter (Package of 50) for H25-IR
3015-4680	Water Trap for HGM-MZ
3015-5135	Metal Probe Tip Filter (Package of 50) for H25-IR
19-0509	Filter 5 Pack for Informant® 2
07-1598	Filter Element for Water Trap (Pkg. of 3)
07-1644	Filter Element for Water Trap (Pkg. of 3) for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III
54-0548	Particulate Filter for Safe Entry Monitor
	Tartiodiato Intol for out of the finition
	· · · · · · · · · · · · · · · · · · ·
REPLACE	WENT PARTS
REPLACE 3015-0326	MENT PARTS 14" Flexible Probe for H-10G & H-10PM
REPLACE 3015-0326 19-0548	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe®
REPLACE 3015-0326 19-0548 204-0020	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium
REPLACE 3015-0326 19-0548 204-0020 3015-0641	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877	WENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010	WENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864	14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784	WENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310	MENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310 21-3048	WENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700 Pump Assembly for Fyrite® INSIGHT
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310 21-3048 24-3009	WENT PARTS 14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700 Pump Assembly for Fyrite® INSIGHT Pump Assembly for Fyrite® ECA 450
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310 21-3048 24-3009 24-3020	## Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700 Pump Assembly for Fyrite® INSIGHT Pump Assembly for Fyrite® ECA 450 Pump Assembly for Fyrite® Tech, Monoxor® III & Oxor® III
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310 21-3048 24-3009 24-3020 3015-5176 3015-4552 3015-4553	14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700 Pump Assembly for Fyrite® INSIGHT Pump Assembly for Fyrite® INSIGHT Pump Assembly for Fyrite® Tech, Monoxor® III & Oxor® III Pump with Connector for HGM-MZ & HGM-SZ R-134 Leak Source Replacement Kit for H25-IR R-600a Leak Source Replacement Kit for H25-IR
REPLACE 3015-0326 19-0548 204-0020 3015-0641 19-0507 2002-0011 24-0878 24-0877 2063-0010 3015-0864 2063-0020 3015-0784 2014-0310 21-3048 24-3020 3015-5176 3015-4552	14" Flexible Probe for H-10G & H-10PM Battery Door for Tru Pointe® Battery - AA Lithium Clear Probe Tip for H-10G & H-10PM Combustible Probe Tip Red for Informant® 2 Compressor Rebuilt Kit for FM3600/3700 Connector, Draft Female for Fyrite® ECA 450/PCA®2/INSIGHT Connector, Gas Female or Fyrite® ECA 450/PCA®2/INSIGHT High Pressure Gauge for FM3600/3700 Leak Reference Bottle for H-10G & H-10PM Low Pressure Gauge for FM3600/3700 Maintenance Kit for H-10G & H-10PM Pressure Switch for FM3600/3700 Pump Assembly for Fyrite® INSIGHT Pump Assembly for Fyrite® ECA 450 Pump Assembly for Fyrite® Tech, Monoxor® III & Oxor® III Pump with Connector for HGM-MZ & HGM-SZ R-134 Leak Source Replacement Kit for H25-IR



Accessories & Replacement Parts

10-5060	Refill Fluid 02 21 & 60 % 3 Bottles Per Carton for Fyrite® Classic
10-5103	Refill Fluid 02 7% 3 Bottles Per Carton for Fyrite® Classic
19-0473	Refrigerant Probe Tip Blue for Informant® 2
24-3048	Replacement Pump for Insight / Pro
11-7052	Repair Kit CO2 20 & 60% for Fyrite® Classic
11-7053	Repair Kit CO2 7% for Fyrite® Classic
11-7054	Repair Kit 02 21 & 60% for Fyrite® Classic
19-0577	Battery Door for Leakator® Jr.
19-0576	Replacement Sensor Cover for Leakator® Jr.
3015-0680	Rubber Probe Tip for H-10G & H-10PM
19-7114	Smart Probe Assembly with 12ft Probe Hose for H25-IR (gray)
19-7132	Smart Probe Assembly with 6ft Probe Hose for H25-IR (black)
3015-0638	Standard Probe for H-10G & H-10PM
2063-0160	Stinger High Pressure Gauge
2063-0150	Stinger Low Pressure Gauge
2045-0620	Stinger Round Head Compressor
2039-0490	Stinger Round Head Compressor Over Haul Kit
2039-0480	Stinger Round Head Compressor Repair Kit Piston Cup, O-Rings
2045-0181	Stinger Square Head Compressor
2090-0042	Stinger Square Head Compressor Rebuild Kit
	Tune Un Vit for U 100 G U 100M
3015-0781	Tune-Up Kit for H-10G & H-10PM
	<u> </u>
CALIBRAT	TION GAS
CALIBRA 7 51-1994	T <mark>ION GAS</mark> 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit®
CALIBRA 51-1994 24-1157	T <mark>ION GAS 100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2</mark>
CALIBRAT 51-1994 24-1157 24-1158	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2
CALIBRAT 51-1994 24-1157 24-1158 24-0794	TION GAS 100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2 100 ppm S02, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm C0, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 Source Scalibration Gas)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 Source Scalibration Gas)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 Solution Kit (Less Calibration Gas)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059 PRINTERS 24-1229	TION GAS 100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2 100 ppm S02, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm C0, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm N0, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area Gas Monitors/Monoxor® III/Oxor ®III IRDA Printer w/ Disposable Batteries Printer Paper (1 Roll - HP Printer)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059 PRINTERS 24-1229	TION GAS 100 ppm CO, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm NO2, 58 L for Fyrite® ECA 450/PCA®2 100 ppm SO2, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm CO, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm NO, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2 500 ppm CO, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area Gas Monitors/Monoxor® III/Oxor ®III IRDA Printer w/ Disposable Batteries
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059 PRINTERS 24-1229 24-1440 06-0887	100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2 100 ppm S02, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm C0, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2,5% CH4, 103 L for Fyrite® ECA 450 250 ppm N0, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area Gas Monitors/Monoxor® III/Oxor ®III IRDA Printer w/ Disposable Batteries Printer Paper (1 Roll - HP Printer) Printer Paper (1 Roll - IRDA Printer) Printer Paper (5 Rolls - HP Printer)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059 PRINTERS 24-1229 24-1440 06-0887 24-8733	100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2 100 ppm S02, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm C0, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2.5% CH4, 103 L for Fyrite® ECA 450 250 ppm N0, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area Gas Monitors/Monoxor® III/Oxor ®III IRDA Printer w/ Disposable Batteries Printer Paper (1 Roll - HP Printer) Printer Paper (1 Roll - IRDA Printer)
CALIBRAT 51-1994 24-1157 24-1158 24-0794 51-1121 24-1156 24-1155 24-0492 24-7059 PRINTERS 24-1229 24-1440 06-0887 24-8733 24-1256	100 ppm C0, 103 L for Fyrite® PCA®2/INSIGHT/Tech/Monoxor® III & Snifit® 100 ppm N02, 58 L for Fyrite® ECA 450/PCA®2 100 ppm S02, 58 L for Fyrite® ECA 450/PCA®2 1,000 ppm C0, 1,000 ppm H2, 103 L for Fyrite® ECA 450/PCA®2 2,5% CH4, 103 L for Fyrite® ECA 450 250 ppm N0, 58 L for Fyrite® ECA 450/PCA®2 4000 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2 500 ppm C0, 103 L for Fyrite® ECA 450/PCA®2/INSIGHT/Tech & Monoxor® III Calibration Kit (Less Calibration Gas) IRDA Printer (Includes Battery Pack Charger, 1 Roll of Paper) for Fyrite® PCA®2/INSIGHT/Tech/Portable Area Gas Monitors/Monoxor® III/Oxor ®III IRDA Printer w/ Disposable Batteries Printer Paper (1 Roll - HP Printer) Printer Paper (1 Roll - IRDA Printer) Printer Paper (5 Rolls - HP Printer)

Shipping Weight & Dimensions



PRODUCT	SHIPPING WEIGHT	SHIPPING DIMENSIONS	PRODUCT	SHIPPING WEIGHT	SHIPPING DIMENSIONS
ECA 450	30 lbs.	18" x 13" x 10"	PVC Pipe Cutter	13 oz.	5" x 10.5" x 1.5"
PCA® 2, Fyrite® INSIGHT	6.8 lbs.	17.5" x 6" x 13"	Valve Core Removal Tool	2 oz.	3" x 5" x 1"
Fyrite [®] Tech	4 lbs.	17" x 6" x 13"	Swaging Punch	1 oz.	2.5" x 9" x 1"
Fyrite® Duplex Kit	13 lbs.	13" x 6" x 11"	Pocket Dial Thermometer	1 oz.	3" x 8.5" x 1"
Fyrite® Fluid (1 carton of 3 bottles)	2 lbs.	10" x 5" x 4"	R-410A Manifold Set	3 lbs. 8 oz.	12.5" x 14" x 2"
Fyrite [®] Indicator	3 lbs.	10" x 5" x 4"	R-12/22/134a Manifold Set	3 lbs. 8 oz.	12.5" x 14" x 2"
Fyrite® Refill Package	2 lbs.	13" x 6" x 11"	R-12/22/134a Manifold Set		
Fyrite® Repair Package	1 lb.	13"x 6" x 11"	w/Sight Glass	3 lbs. 8 oz.	12.5" x 14" x 2"
Fyrite® Combustion Kit	15 lbs.	18" x 6" x 16"	R-410A Manifold Set w/Sight Glass	3 lbs. 8 oz.	12.5" x 14" x 2"
Draftrite [®] Draft Gauge	1 lb.	4" x 3" x 1"	R-410A Hose Set	1 lb. 14 oz.	12.5" x 14" x 2"
True Spot® Smoke Tester	1 lb.	9" x 8" x 9"	Spring Type Tubing Benders	2 lbs. 4 oz.	5" x 18.5" x 1.5"
Monoxor® III, Oxor® III	3 lbs.	17" x 10" x 5"	R-12/22/134a Ball Valve Hose Set	2 ibs. 4 oz. 1 lb.	6" x 14" x 1"
Multi Zone	16 lbs.	25" x 18" x 14"	3 in 1 Tubing Bender 180°	1 lb.	8" x 13" x 5"
MZF Draft Gauge	3 lbs.	7" x 5" x 9"	3 in 1 Tubing Bender 90°	1 ib. 15 oz.	4.5" x 13" x 2.5"
Snifit [®] 50	1 lb.	3" x 4" x 7"	7 Sizes Flaring Kit	4 lbs. 6 oz.	4.5 x 15 x 2.5 8.5" x 6" x 1.5"
nformant® 2 Kit / Tru Pointe®	3 lbs.	4" x 3" x 12"	Ů	4 lbs. 6 oz. 3 lbs. 5 oz.	13" x 5.5" x 2"
nformant® 2 Deluxe Kit	4 lbs.	7" x 4" x 16"	Flaring & Cutting Kit	5 lbs. 9 oz.	13" x 10" x 2"
Leakator [®] Jr.	1 lb.	13" x 8" x 5"	Flaring, Swaging & Cutting Kit		
Leakator® 10	2 lbs.	9" x 2" x 2"	Tube Expander Kit	9 lbs. 1 oz. 1/2 lb.	18" x 8" x 2.5"
CO ₂ Monitor 3100 & 3150	3 lb.	17" x 13" x 3"	R410A Gauge (2002-0410)	•	4.5" x 6" x 1.5"
CO ₂ Analyzer 2800	1 lb.	10" x 7" x 3"	R410A Gauge (2002-0420)	1/2 lb. 1/2 lb.	4.5" x 6" x 1.5"
Floret® Air Velocity Meter	1 lb.	7" x 4" x 2"	R12/22/134a Gauge (2002-0250)	•	4.5" x 6" x 1.5"
Florite® Air Velocity Meter	4 lbs.	5" x 7" x 3"	R12/22/134a Gauge (2002-0550)	1/2 lb.	4.5" x 6" x 1.5"
Single Zone	5 lbs.	16" x 12" x 10"	6 Sizes Flaring Kit	2 lbs. 1 oz.	7.5" x 9.5" x 1.5"
	4.11	40" 0" 0"	Heavy Flaring Kit	2 lbs. 5 oz.	9" x 8.5" x 1"
Sling Psychrometer	1 lb.	12" x 9" x 6"	Flaring Burnishing Tool	1 lb. 15 oz.	7.5" x 9.5 x 1.5"
Stinger	28 lbs.	18" x 13" x 18"	Tubing Cutter (2002-1858)	11 oz.	4" x 9" x 1.5"
Recovery Unit 3600-410A,		40" 40" 40"	Tubing Cutter (2002-0780)	3 oz.	4" x 5" x 1"
Recovery Unit 3600 R-S	39 lbs.	18" x 13" x 18"	Tubing Cutter (2002-1878)	4 oz.	4" x 5" x 1"
Recovery Unit 3700	52 lbs.	18" x 13" x 18"	Tubing Cutter (2002-1818)	4 oz.	4" x 5" x 1"
H25-IR	18 lbs.	18" x 15" x 15"	Telescopic Mirror Set	12 oz.	9" x 15.5" x 1"
Dual-Channel Digital Thermometer	14 oz.	7" x 12.5" x 2"	Capillary Tube Cutter	3 oz.	3" x 8" x 1"
Humidity-Temperature Meter	2 lbs.	18" x 15" x 15"	Fin Straightener	4 oz.	5" x 6" x 1"
Anemometer	1 lb. 3 oz.	9" x 12.5" x 3"	Inner Outer Reamer (2002-6900)	8 oz.	4.5" x 6" x 2"
H10PM, H10G	7 lbs.	12" x 10" x 8"	Inner Outer Reamer	8 oz.	4.5" x 6" x 2"
Tru Pointe [®]	3 lbs.	19" x 8" x 4"	Valve Core Removal Tool	2 oz.	3" x 5" x 1"
nfrared Thermometer	11 oz.	5.5" x 12.5" x 3"	Charging Scale	10 lbs. 10 oz.	17" x 15" x 4.5"
Digital Pocket Thermometer	2 oz.	3.5" x 9" x 1.5"			
Refrigeration Wrenches (2002-0122)	5 oz.	2" x 8" x 1"			
Refrigeration Wrenches (2002-0123)	8 oz.	2.5" x 9.5" x 1"			



Customer Service

CUSTOMER SERVICE

Contact our Customer Service Department by phone, fax or e-mail. Your call will be answered by friendly, knowledgeable professionals Monday through Friday between 8 a.m. and 5 p.m. (EST). If you call during off-hours or if we are busy helping other customers, we encourage you to leave a message and we will return your call as quickly as possible. Please contact Bacharach according to your location and needs:

USA

To place orders or request a quotation:

Phone: 1-800-736-4666 (press 1 at prompt)

Fax: 724-334-5001

E-Mail: Help@MyBacharach.com

For repair or service questions or to request an RMA#:

Phone: 1-800-736-4666 (press 2 at prompt) Fax: 724-334-5704

E-Mail: Help@MyBacharach.com

For technical inquiries:

Phone: 1-800-736-4666 (press 1 at prompt)

Fax: 724-334-5001

E-Mail: Help@MyBacharach.com

CANADA

For all inquiries:

Phone: 1-800-328-5217 (toll-free in Canada)

Fax: 905-470-8963

E-Mail: bachcan@idirect.com

MEXICO

For all inquiries:

Phone: +52-55-56-34-77-40/41 Fax: +52-55-56-34-77-38 E-Mail: Bacharach@prodigy.net.mx

OUTSIDE OF NORTH AMERICA

To find a local distributor: Phone: +1-724-334-5000 Fax: +1-724-334-5705

E-Mail: Help@MyBacharach.com

REPRESENTATIVES AND DISTRIBUTORS

Bacharach has a worldwide network of partners anxious to handle your needs. Please contact Customer Service or go to www.My-Bacharach.com to find a representative serving your local area.

PRICES AND TERMS

Prices are subject to change without notice. Terms of payment are Net 30 Days with established credit (FOB Factory). The minimum order requirement is \$50.00 USD net. We also accept American Express, Visa, Mastercard and Discover or prepaid orders. Please see the Standard Terms and Conditions found at www.MyBacharach.com.

GOVERNMENT CUSTOMERS

Bacharach has been granted GSA Contract #GS-24F-1104B for Federal Supply Schedule 66. Product information is available in the GSA Advantage! Electronic Catalog on www.gsaadvantage.gov.

WARRANTY

Bacharach warrants all parts and components according to our standard Terms and Conditions, with provisions according to product warranties stated in the specific product Operating Instructions. Please complete the warranty registration card included with each instrument (return postage paid in USA), or complete the Warranty Registration Form found online at www.MyBacharach.com/warranty-registration.htm.

RETURNS

All sales are considered final upon delivery by Bacharach to the initial carrier. Returns will be accepted only according to the Terms and Conditions with a Return Goods Authorization number (RGA#) issued by Bacharach.

SERVICE AND REPAIR

All service and repair of Bacharach equipment must be completed by an Authorized Service Center to uphold the Warranty. A Return Material Authorization number (RMA#) is required for all service and repair. For additional information please go to www.MyBacharach.com/support.htm or contact the Repair Department.

DESIGN CHANGES

Due to continuing improvements in design, some items may differ slightly from the description and photographs in the literature. All specifications are subject to change without notice. If you have product suggestions, please contact the Marketing Department via e-mail at Marketing@MyBacharach.com.

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