



SPERIAN PROTECTION UK LTD

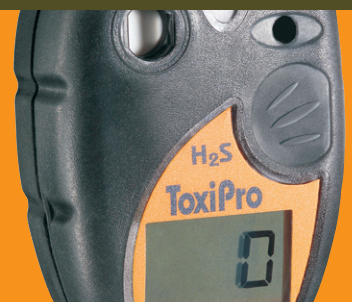
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SPERIAN PROTECTION INSTRUMENTATION



GAS MONITORS

SPERIAN
Protection you can trust



Sperian Protection

Sperian Protection is an industrial group specializing in the design, manufacture and sale of personal protective equipment (PPE).

The Group offers a complete range of head-to-toe equipment designed to protect men and women against hazards in the workplace, or in situations where they are at risk of injury.

Sperian Instrumentation

Sperian Instrumentation, the new name of Biosystems, offers a complete line of gas detection and docking station products that are easy to use, easy to maintain and budget-friendly.

Biosystems was founded in 1981. Today Sperian Instrumentation is a leading supplier of gas detection, air purification, and respiratory test benches around the world. Sperian Instrumentation manufacturing facility is based in Middletown, CT U.S.A. With over 50,000 square feet of production, office and classroom space, we are well-positioned to continue our pattern of innovation and growth.

Personal support is our priority

At Sperian Instrumentation, we pride ourselves on our high level of personal support. We recognize that in our business, quality support is as important to you as the products we offer. Our staff is friendly and knowledgeable in all aspects of business. We care about our customers and recognize that in our industry, people's lives are at stake.



TABLE OF CONTENTS

INTRODUCTION

Products

Single-Sensor Gas Monitors

- Biosystems ToxiLtd™ *P.04*
- Biosystems ToxiPro™ *P.04*
- Biosystems Toxi Vision™ EX *P.05*
- Biosystems Toxi Vision™ IR CO2 *P.05*

Multi-Sensor Gas Monitors

- Biosystems PHD6™ *P.06*
- Biosystems MultiPro™ *P.06*

Gas Detection Dock Program *P.07*

Docking Stations

- Biosystems IQ6 Express Dock™ *P.08*
- Biosystems IQ Express™ *P.09*
- Biosystems MultiPro™ IQ Express™ *P.09*

Accessories

- Calibration Gases and Regulators *P.10*
- Probe Assembly *P.10*
- Accessories *P.10*

Norms & Regulations *P.11*

Standard Warranty *P.12-13*

Reference Listing *P.14-18*



WARNING! Sperian equipment should only be used in conjunction with the manufacturer's instructions. Failure to follow such instruction could result in serious injury or fatality.

Sperian Instrumentation offers a complete line of full featured, user friendly single gas monitors. Choose the disposable ToxiLtd for basic monitoring needs or step up to the full featured ToxiPro[®] and ToxiVision.

Biosystems ToxiLtd™

A full-featured, easy-to-use single gas monitor at a low cost.

- ▣ Two-year disposable
- ▣ Compact and rugged design with one-button operation
- ▣ Available with O₂, CO, H₂S or SO₂ sensors
- ▣ Top-and front-mounted bright LED
- ▣ Continuous real-time gas reading during alarm
- ▣ Vibrating alarm
- ▣ Automatic 20-events logger
- ▣ Compatible with the Biosystems IQ Express™ Docking Station
- ▣ Also available as 3-year disposable single gas detector named **Biosystems Toxi3Ltd™** with two sensor options of CO or H₂S

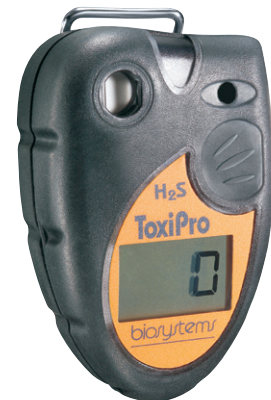


Reference	Description
1018108	Oxygen (O2)
1018106	Carbon Monoxide (CO)
1018107	Hydrogen Sulfide (H2S)
1018161	Sulfur Dioxide (SO2)

Biosystems ToxiPro™

A full-featured, easy-to-use single gas monitor at a low cost.

- ▣ Replaceable battery and sensor
- ▣ Up to 9000-hours of operation on a single battery
- ▣ Compact and rugged design with one-button operation
- ▣ Available sensors: O₂, CO, CO+, H₂S, SO₂, Cl₂, NH₃, NO₂, PH₃, HCN, CO-H
- ▣ Top- and front-mounted bright LED
- ▣ Current, max, STEL and TWA gas readings and time
- ▣ Automatic 20-events logger
- ▣ Blackbox data recorder and event logger standard
- ▣ Vibrating alarm and datalogger
- ▣ Compatible with the Biosystems IQ Express™ Docking Station



Reference	Description
1018111	Oxygen (O2)
1018109	Carbon Monoxide (CO)
1018110	Hydrogen Sulfide (H2S)

Biosystems Toxi Vision™ EX

For the combustible gas detection.

- ▣ Rugged, nickel-plated single sensor gas monitor for the detection of combustible gas
- ▣ Utilizes a poison-resistant catalytic bead sensor which increases sensor longevity
- ▣ RFI shielding prevents operating interference from two-way radios and other electronic devices
- ▣ Up to 13-hour life with alkaline battery and 15-hours life for rechargeable battery
- ▣ Event logger and black box recorder are standard equipment on the rechargeable battery version
- ▣ Internal vibrating alarm



Reference	Description
1018613	Combustible Gas Monitor with Alkaline Battery
1018614	Combustible Gas Monitor with Rechargeable Battery

Biosystems Toxi Vision™ IR CO2

A rugged, single sensor monitor using infrared technology!

- ▣ Utilizes Infrared Sensor Technology
- ▣ CO₂ version only
- ▣ Rugged, chrome metal-plated, single sensor gas detector
- ▣ Easy one-button operation
- ▣ Large LCD display can be seen easily from several feet away
- ▣ RFI protection prevents operating interference from electronic devices
- ▣ Internal vibrating alarm



Reference	Description
1018566	CO ₂ Monitor with Alkaline Battery
1018610	CO ₂ Monitor with Rechargeable Battery

For confined space monitoring needs, Sperian Instrumentation offers the Biosystems MultiPro™ and Biosystems PHD6™. Both instruments are versatile, easy-to-use and provide real-time gas readings. For effortless automatic record keeping, bump testing and calibration needs, simply drop your instrument into our state-of-the art Docking System!

New

Biosystems PHD6™ Confined Space Gas Monitor*

The Biosystems PHD6™ is our newest multi-gas detector. Fifteen available toxic gas sensors, along with oxygen, LEL, a PID sensor for the detection of Volatile Organic Compounds (VOCs), and IR sensors for the detection of CO₂ make it our most versatile gas detector ever. Plus the Biosystems PHD6 offers automatic calibration, menu control over all instrument settings and a status bar with easily-understood icons at the bottom of the LCD to give the user immediate access to everything from time to calibration status. With 5 sensor ports and up to 6 channels of detection, the Biosystems PHD6™ is a powerful ally to help keep you safe in dangerous conditions.



- ▣ Monitors up to six atmospheric hazards simultaneously
- ▣ Sensors available for oxygen, combustible gas, volatile organic compounds, and several different toxic gases
- ▣ Capable of up to five channels of toxic gas detection depending on configuration
- ▣ Optional Photo Ionization (PID) sensor available for the detection of VOCs
- ▣ Optional IR sensors available for the detection of CO₂
- ▣ Built-in data recorder provides a record of atmospheric conditions during operation
- ▣ Built-in blackbox data recorder and datalogging option provides a record of atmospheric conditions during operation
- ▣ Optional screw-on pump with automatic leak test and low flow alarm
- ▣ Interchangeable alkaline and rechargeable battery packs
- ▣ Compatible with the Biosystems IQ6™ Docking System

Description	
O ₂ /Duo-Tox (CO/H ₂ S)/LEL Alkaline	
O ₂ /CO/H ₂ S/LEL/PID Rechargeable	
O ₂ /CO/H ₂ S/LEL/IR-CO ₂ Rechargeable	
O ₂ /Duo-Tox (CO/H ₂ S)/IR Rechargeable	

* Available January 2009. Contact Sperian Protection for reference numbers.

Biosystems MultiPro™ Confined Space Gas Monitor

- ▣ Real-time readings of up to four gases simultaneously
- ▣ Easy one-button operation and calibration
- ▣ Large, easy-to-read, front-mounted, backlit LCD display
- ▣ Optional screw-on pump with automatic leak test and low flow
- ▣ Automatic event logger, black-box recorder
- ▣ Vibrating Alarm and datalogging
- ▣ Interchangeable alkaline or rechargeable battery packs
- ▣ Compatible with Biosystems MultiPro™ IQ Express Dock



Reference	Description
1018121	O ₂ /CO/LEL Alkaline
1018124	O ₂ /H ₂ S/LEL Rechargeable
1018125	O ₂ /Duo-Tox (CO/H ₂ S) LEL Alkaline
1018126	O ₂ /Duo-Tox (CO/H ₂ S) LEL Rechargeable

Gas Detection Dock Program

Docks: The Most Important Part of an Effective Gas Detection Program

The Sperian Dock is designed from the ground up to be the easiest dock to use on the market. The dock is configured at the factory with default settings and can be used right out of the box for basic instrument processing. More advanced users will appreciate the standard USB or optional Ethernet connections that allow the dock's settings to be tailored to meet the specific needs of any gas detection program. The automatic instrument download feature allows the user to streamline recordkeeping and make it virtually hands-free. Common configurations can be processed by the dock in under a minute, reducing labor and calibration gas expenses.

▣ Docks reduce calibration gas expenses

Sperian's docks use a lot less gas than is used during manual calibrations. Here's an example: If you have 10 Biosystems MultiPro™ gas detectors and follow industry guideline that recommends daily sensor verification, you could spend over 1 500 € per year in gas costs. If you purchase a dock, you can reduce your gas costs by over 60%. So the Biosystems IQ Express Dock™ could save you well over 4 000 € per year in gas costs alone.

▣ Docks reduce labor expenses by cutting down on the time needed to perform a calibration

To set up and perform a manual bump test of a single instrument takes the average user about 2 minutes. A Biosystems IQ Express Dock™ can perform a bump test in about 22 seconds. If you need to bump 10 instruments every morning, you could save over 60 hours of labor by the end of the first year.

▣ Docks reduce labor expenses associated with recordkeeping

Recordkeeping is a lot of work. Downloading individual instrument records one at a time into a PC can take hours. Tracking calibration and exposure records by hand is even worse. In a Biosystems IQ Express Dock™, both of these procedures occur automatically during instrument processing.

▣ Docks can reduce your legal liability

No matter how good your recordkeeping is, manual systems are prone to error. And in case of an accident, errors mean liability. Our docks accurately record every test. Your recordkeeping is flawless.

Sperian's IQ Docking Stations pay for themselves in no time!

We're convinced that we make the best docks on the market. Our IQ Express Docks™ offer incredible processing power and flexibility while being extremely easy to use. The worker just drops the detector in the dock at the beginning of their shift and the dock processes the instrument according to your record keeping protocols. It's that easy!

New

Biosystems IQ6 Express Dock™*

For Biosystems PHD6™ confined space gas monitor

- ▣ A fully automated bump test and calibration station for the Biosystems PHD6™ gas monitor
- ▣ Automatically identifies instrument, tests alarms/battery, downloads records
- ▣ Automatic instrument bump test and calibration if necessary
- ▣ Connects to PC via USB port or Ethernet
- ▣ Recharges instrument if left in dock (rechargeable Biosystems PHD6™ only)
- ▣ Demand flow regulators, calibration gas and Biosystems PHD6™ sold separately



Description

Biosystems IQ6 Dock™ w/Software, Installation Disks and Manual

Ethernet-Ready Biosystems IQ6 Dock™

* Available January 2009. Contact Sperian Protection for reference numbers.



Biosystems IQ Express™ Docking Station

For Biosystems ToxiPro™ and ToxiLtd™ single gas monitors

- ▣ A fully automated bump test and calibration station
- ▣ Automatically identifies instrument, tests alarms and battery, and downloads records
- ▣ Automatic instrument calibration if necessary
- ▣ Link up to four docks to a single gas supply
- ▣ Connects to PC via USB port or Ethernet (optional)
- ▣ Demand flow regulators, calibration gas and Biosystems ToxiPro™, ToxiLtd™, and Toxi3Ltd™ each sold separately



Reference	Description
-	Biosystems IQ Express™ with accessories for O ₂ , CO or H ₂ S instruments
1018113	Ethernet-Ready Enhanced Biosystems IQ Express™ for O ₂ , CO, H ₂ S, SO ₂ , Cl ₂ , NO ₂ , NH ₃ , HCN, or PH ₃ Instruments

Biosystems MultiPro™ IQ Express™ Docking Station

For Biosystems MultiPro™ confined space gas monitor

- ▣ Fully automated bump test and calibration station
- ▣ Automatically identifies instrument, tests alarms and battery, and downloads records
- ▣ Automatic instrument bump test and calibration, if necessary
- ▣ Connects to PC via USB port or Ethernet (optional)
- ▣ Demand flow regulators, calibration gas and Biosystems MultiPro™ instrument sold separately



Reference	Description
1018134	Biosystems MultiPro™ IQ Express Dock w/Software, Installation Disks and Manual
1018135	Ethernet-Ready Biosystems MultiPro™ IQ Express Dock

Calibration Gas and Regulators

- ▣ Multi Component Calibration Gas
- ▣ Single Component Calibration Gas
- ▣ Regulators



Probe Assembly

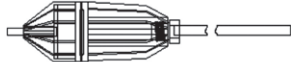
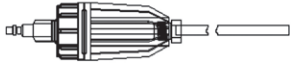
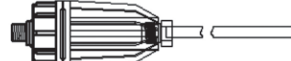
Biosystems sample probe assemblies include built-in moisture and particulate filters designed to remove contaminants which might otherwise harm either the instrument or (if equipped) the continuous sample pump. Particulate contaminants are removed particles as small as 1 μm . The hydrophobic filter includes a 0.1 μm Teflon™ barrier which blocks the flow of moisture as well as any remaining particulate contaminants.

Never use a hand-aspirated sample draw kit or operate an instrument equipped with a sample draw pump unless the sample probe assembly is attached!

The probe extension is available in non-sparking plastic (30.5 cm) or stainless steel (29.2 cm).

The Biosystems probe assemblies are available with both standard barb fitting or quick disconnect fitting.



Sample Probe Assemblies		
Extension	Tube Fitting Type	Probe Assembly
Plastic Stainless Steel	Standard barb fitting.	
Plastic Stainless Steel	Male quick disconnect (QD)	
Plastic Stainless Steel	Threaded for quick disconnect. Intended as replacement where existing QD is reused	

Accessories

Please contact Sperian Protection or refer to the reference/price listing for full line of calibration gas components, regulators and accessories.

Current Instrument Certifications

Certifications	Approval Definition	Biosystems ToxiLtd™	Biosystems Toxi3Ltd™	Biosystems ToxiPro™	Biosystems Toxi Vision™ EX	Biosystems Toxi Vision™ IR CO2	Biosystems MultiPro™	Biosystems PHD6™
c-UL Class I, Division 1, Groups A, B, C, D Temp. Code T4	Indicates testing to to both U.S. and Canadian standards by UL.	☐	☐	☐				
UL Class I, Division 1, Groups A, B, C, D Temp. Code T4	Covers the U.S. and any other country that accepts UL approvals				☐	☐	☐	
UL Class II, Division 1, Groups E, F, G	Covers the U.S. and any other country that accepts UL approvals	☐	☐	☐			☐	
SGS/USTC Class I, Division 1, Groups A, B, C, D Temp. Code T3C	Nationally recognized testing agency qualified to test products to UL, ATEX and IECEx standards							☐
SGS/USTC Class II, Division 1, Groups E, F, G								Pending
CSA Class I, Division 1, Groups A, B, C, D Temp. Code T4	Covers Canada	☐	☐	☐			☐	Pending
CSA Class II, Division 1, Groups E, F, G	Covers Canada	☐	☐	☐				
ATEX II 2 G Ex ia IIC T4	Covers the European Union	☐	☐	☐				
ATEX II 2 G Ex d ia IIC T4 *	Covers the European Union.				☐	☐	☐	Pending
IECEX Ex ia IIC T4	An international approval that covers Australia and any other countries that accept IECEx approvals	☐	☐	☐				
IECEX Ex d ia IIC T4 *	An international approval that covers Australia and any other countries that accept IECEx approvals.				☐	☐	☐	Pending
NEPSI (China) Ex d ia IIC T4	Covers China. Some other Asian countries may also accept these approvals.				☐	☐		Pending
CQST (China) Ex ia IIC T4	Covers China. Some other Asian countries may also accept these approvals.	☐	☐	☐			☐	
MSHA Intrinsic Safety for use in U.S.Mines	Covers underground mines in the U.S. only	☐	☐	☐				

* = The 'd' represents protection method for flame proof enclosure

Please contact Spelian Protection for current updates on pending certifications.

Standard Warranty

General

Sperian Protection Instrumentation, LLC (hereafter Sperian) warrants gas detectors, sensors and accessories manufactured and sold by Sperian, to be free from defects in materials and workmanship for the periods listed in the tables below.

Damages to any Sperian products that result from abuse, alteration, power fluctuations including surges and lightning strikes, incorrect voltage settings, incorrect batteries, or repair procedures not made in accordance with the Instrument's Reference Manual are not covered by the Sperian warranty.

The obligation of Sperian under this warranty is limited to the repair or replacement of components deemed by the Sperian Instrument Service Department to have been defective under the scope of this standard warranty. To receive consideration for warranty repair or replacement procedures, products must be returned with transportation and shipping charges prepaid to Sperian at its manufacturing location in Middletown, Connecticut, or to a Sperian Authorized Warranty Service Center. It is necessary to obtain a return authorization number from Sperian prior to shipment.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY AND ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. SPERIAN WILL NOT BE LIABLE FOR LOSS OR DAMAGE OF ANY KIND CONNECTED TO THE USE OF ITS PRODUCTS OR FAILURE OF ITS PRODUCTS TO FUNCTION OR OPERATE PROPERLY.

Instrument & Accessory Warranty Periods

Product(s)	Warranty Period
Biosystems PHD6™, ToxiPro™, MultiPro™	2 years from date of purchase
Biosystems Toxi Vision™	As long as the instrument is in service. After January 1, 2009, warranty is 2 years from date of purchase
Biosystems ToxiLtd™	2 years after activation or 2 years after the "Must Be Activated By" date, whichever comes first
Biosystems Toxi3Ltd™	3 years after activation or 3 years after the "Must Be Activated By" date, whichever, comes first
Biosystems IQ Express™ Docking Stations	1 year from the date of purchase
Battery packs and chargers, sampling pumps and other components, which by their design are consumed or depleted during normal operation, or which may require periodic replacement	1 year from the date of purchase

Standard Warranty

Sensor Warranty Periods

Instrument(s)	Sensor Type(s)	Warranty Period
Biosystems PHD6™	O ₂ , LEL**, CO, CO+, H ₂ S & Duo-Tox	2 Years
MultiPro™, ToxiPro™	All Other Sensors	1 Year
All Others	All Sensors	1 Year

** Damage to combustible gas sensors by acute or chronic exposure to known sensor poisons such as volatile lead (aviation gasoline additive), hydride gases such as phosphine, and volatile silicone gases emitted from silicone caulks/sealants, silicone rubber molded products, laboratory glassware greases, spray lubricants, heat transfer fluids, waxes & polishing compounds (neat or spray aerosols), mold release agents for plastics injection molding operations, waterproofing formulations, vinyl & leather preservatives, and hand lotions which may contain ingredients listed as cyclomethicone, dimethicone and polymethicone (at the discretion of Sperian's Instrument Service department) void Sperian Instrumentation's Standard Warranty as it applies to the replacement of combustible gas sensors.

Single Gas Products

Biosystems ToxiLtd™ Single Gas Monitors

Reference	Description
1018108	Biosystems ToxiLtd™ with O ₂ Sensor w/Vibrating Alarm
1018106	Biosystems ToxiLtd™ with CO Sensor w/Vibrating Alarm
1018107	Biosystems ToxiLtd™ with H ₂ S Sensor w/Vibrating Alarm
1018161	Biosystems ToxiLtd™ with SO ₂ Sensor w/Vibrating Alarm



Biosystems Toxi3Ltd™ Single Gas Monitors

Reference	Description
1018734	Biosystems Toxi3Ltd™ with CO Sensor w/Vibrating Alarm
1018743	Biosystems Toxi3Ltd™ with H ₂ S Sensor w/Vibrating Alarm

Biosystems ToxiPro™ Single Gas Monitors

Reference	Description
1018111	Biosystems ToxiPro™ with O ₂ Sensor w/Vibrating Alarm
1018109	Biosystems ToxiPro™ with CO Sensor w/Vibrating Alarm
1018336	Biosystems ToxiPro™ with CO-H Sensor w/Vibrating Alarm
1018110	Biosystems ToxiPro™ with H ₂ S Sensor w/Vibrating Alarm
1018231	Biosystems ToxiPro™ with SO ₂ Sensor w/Vibrating Alarm
1018364	Biosystems ToxiPro™ with NH ₃ Sensor w/Vibrating Alarm
1018320	Biosystems ToxiPro™ with Cl ₂ (specific) Sensor w/Vibrating Alarm
1018286	Biosystems ToxiPro™ with HCN Sensor w/Vibrating Alarm
1018301	Biosystems ToxiPro™ with PH ₃ Sensor w/Vibrating Alarm



Biosystems ToxiPro™ Replacement Sensors

Reference	Description
1018118	Biosystems ToxiPro™ O ₂ Sensor (Oxygen)
1018116	Biosystems ToxiPro™ CO Sensor (Carbon Monoxide)
1018427	Biosystems ToxiPro™ CO+ Dual purpose CO/H ₂ S Sensor (Provides a Non-Specific Readout for CO & H ₂ S)
1018435	Biosystems ToxiPro™ CO-H Sensor, Reduced Sensitivity to H ₂
1018117	Biosystems ToxiPro™ H ₂ S Sensor (Hydrogen Sulfide)
1018425	Biosystems ToxiPro™ SO ₂ Sensor (Sulfur Dioxide)
1018439	Biosystems ToxiPro™ NH ₃ Sensor (Ammonia)
1018433	Biosystems ToxiPro™ Cl ₂ Sensor (Chlorine Dioxide specific)
1018430	Biosystems ToxiPro™ PH ₃ Sensor (Phosphine)



Single-Sensor Gas Products

Biosystems IQ Express™ Docking Station

Reference	Description
1018113	Biosystems IQ Express™ Docking Station, Standard Version (for O ₂ , CO or H ₂ S)
1018183	Biosystems IQ Express™ Docking Station, Ethernet-Ready Standard Version (for O ₂ , CO or H ₂ S)
1018418	Biosystems IQ Express™ Dock, Enhanced Version (for O ₂ , CO, H ₂ S, SO ₂ , Cl ₂ , NO ₂ , NH ₃ , HCN or PH ₃)



Biosystems ToxiPro™ Accessories

Reference	Description
1018387	Manual sample draw kit. Includes adapter. Probe and 3 meters of tubing. Not for use with C12 or C102



Biosystems ToxiVision™ EX Single Gas Monitors

Reference	Description
1018613	Biosystems ToxiVision™ EX with Alkaline Batteries
1018614	Biosystems ToxiVision™ EX with Rechargeable Battery



Biosystems ToxiVision™ IR Single Gas Monitors

Reference	Description
1018566	Biosystems ToxiVision™ IR CO ₂ with Alkaline Batteries
1018610	Biosystems ToxiVision™ IR CO ₂ with Rechargeable Battery

Multi-Gas Products

Biosystems MultiPro™ Multi-Gas Monitors

<i>Reference</i>	<i>Description</i>
1018119	Biosystems MultiPro™ with O ₂ /LEL Alkaline
1018120	Biosystems MultiPro™ with O ₂ /LEL Li-Ion Rechargeable
1018121	Biosystems MultiPro™ with O ₂ /LEL/CO Alkaline
1018122	Biosystems MultiPro™ with O ₂ /LEL/CO Li-Ion Rechargeable
1018123	Biosystems MultiPro™ with O ₂ /LEL/H ₂ S Alkaline
1018124	Biosystems MultiPro™ with O ₂ /LEL/H ₂ S Li-Ion Rechargeable
1018125	Biosystems MultiPro™ with O ₂ /LEL/Duo-Tox (CO/H ₂ S) Alkaline
1018126	Biosystems MultiPro™ with O ₂ /LEL/Duo-Tox (CO/H ₂ S) Li-Ion Rechargeable



Biosystems MultiPro™ Sensors

<i>Reference</i>	<i>Description</i>
1018133	Biosystems MultiPro™ LEL Sensor (Combustible Gas)
1018721	Biosystems MultiPro™ O ₂ Sensor (Oxygen)
1018127	Biosystems MultiPro™ CO Sensor (Carbon Monoxide)
1018128	Biosystems MultiPro™ H ₂ S Sensor (Hydrogen Sulfide)
1018132	Biosystems MultiPro™ Duo-Tox Sensor (Dual Channel CO/H ₂ S)



Biosystems MultiPro™ IQ Express™ Docking Station

<i>Reference</i>	<i>Description</i>
1018134	Biosystems IQ Express™ Docking Station with Software, Installation Disks and Manuals
1018135	Ethernet-Ready Biosystems IQ Express™ Docking Station with Software, Installation Disks and Manuals



Multi-Sensor Gas Products

Biosystems MultiPro™ Accessories

Reference	Description
1018129	Continuous sample pump. Includes 3 meters of sample tubing and sample probe assembly. European version
1018130	Sample draw / calibration adapter
1018131	Manual sample draw kit. Includes adapter, squeeze bulb, 3 meters of tubing and sample probe assembly
1018104	Sample probe assembly. Does not include tubing, squeeze bulb, or sample draw adapter
1018684	Slip-in-charge (220 VAC), includes "wall cube" supply. Continental plug
1018685	Slip-in-charge (220 VAC), includes "wall cube" supply. British plug
1018682	Slip-in-charge (110 VAC), includes "wall cube" supply. American plug
1018700	Charger (220 VAC). European version. Continental plug
1018683	Slip-in fast charger (12VOC). Includes "cigarette lighter" style adapter, and vehicle mounting hardware.
1018688	Alkaline battery pack
1018691	Li-Ion rechargeable battery pack
1018698	Datalogger upgrade. - Action codes, serial Number required to order
1018103	Case. Foam-lined case, with room for one 15 or 34 liter calibration gas



Biosystems PHD6™ Multi-Gas Monitors!*

Description

- Biosystems PHD6™ O2/Duo-Tox (CO/H2S)/LEL Alkaline
- Biosystems PHD6™ O2/Duo-Tox (CO/H2S)/LEL. Rechargeable
- Biosystems PHD6™ with O2/CO/H2S/LEL Alkaline
- Biosystems PHD6™ with O2/CO/H2S/LEL Rechargeable
- Biosystems PHD6™ with O2/Duo-Tox(CO/H2S)/SO2 Rechargeable
- Biosystems PHD6™ with O2/CO/H2S/LEL/IR-CO2 Rechargeable
- Biosystems PHD6™ with O2/CO/H2S/LEL/PID Rechargeable
- Biosystems PHD6™ with O2/Duo-Tox(CO/H2S)/SO2/LEL Rechargeable
- Biosystems PHD6™ with O2/Duo-Tox(CO/H2S)/NH3/LEL/PID Rechargeable
- Biosystems PHD6™ with O2/Duo-Tox(CO/H2S)/Cl2/LEL/PID Rechargeable
- Biosystems PHD6™ with O2/Duo-Tox(CO/H2S)/HCN/LEL/PID Rechargeable



* Available January 2009. Contact Sperian Protection for reference numbers.

Multi-Sensor Gas Monitors

Biosystems PHD6™ Sensors*

Description

CO, Carbon Monoxide
 H2S, Hydrogen Sulfide
 SO2, Sulfur Dioxide
 CO+, CO Plus (provides a non-specific readout for CO & H2S)
 NO, Nitric Oxide
 NO2, Nitrogen Dioxide
 HCN, Hydrogen Cyanide
 PH3, Phosphine
 Duo-Tox (CO/H2S) Sensor (provides substance specific readout for CO & H2S)
 SO2, Sulfur Dioxide (Extended Range)
 Cl2, Chlorine (specific)
 CO-H, CO Minus H (reduced sensitivity to H2)
 ClO2, Chlorine Dioxide (specific)
 NH3, Ammonia
 IR-CO2, Non dispersive infrared carbon dioxide*
 IR-CH4, Non dispersive infrared methane *
 PID (for VOCs, volatile organic compound)
 LEL, Combustible Gas
 O2, Oxygen

Biosystems PHD6™ Accessories*

Description

Continuous Sample Draw Pump
 Alkaline Battery Pack
 Rechargeable Li-Ion Battery Pack
 Li-Ion Battery Charger
 Vehicle Charger (12VDC) (includes cigarette lighter style adapter and mounting hardware)
 Calibration/Sample Draw Cover
 Manual Sample Draw Kit (includes probe, squeeze bulb, 10' of tubing and sample draw adapter)
 Sample Probe Assembly (does not include squeeze bulb, tubing or sample draw adapter)
 Sample Probe Assembly with 11.5" Stainless Steel Probe
 Datalogger upgrade for PHD6™ with "Black-Box" recorder.
 BioTrak Software Kit. Includes computer cable, software and manual

Biosystems IQ6™ Docking Station for Biosystems PHD6™*

Description

Biosystems IQ6 Express Dock™ Docking Station
 Biosystems Ethernet-Ready IQ6 Express Dock™ Docking Station



* Available January 2009. Contact Sperian Protection for reference numbers.

