

GASTRONICS Hardwired Systems

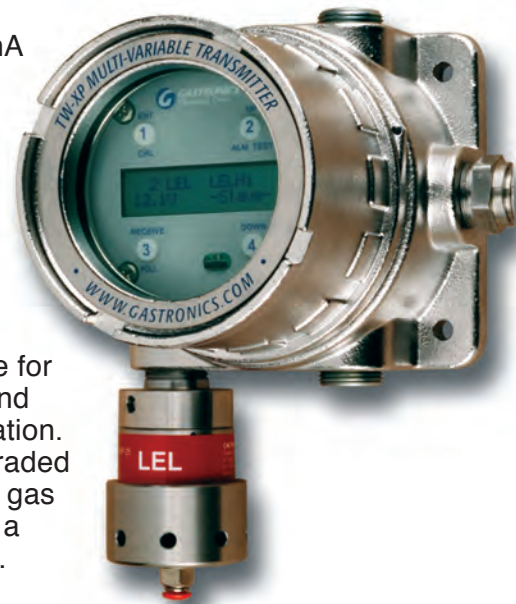
RG3-RTU Controller

The Gastronics RG3-RTU Controller is fully programmable to handle up to 6 Analog Inputs, 4 Relay Outputs, 2 Analog Outputs and 8 Digital Inputs. There is also an RS232/485 available that can communicate Modbus-RTU as well as with one of Gastronics standard radios. The illustration (right) is an RG3-RTU housed in a Nema-4X Enclosure with a Linear Regulated Charger and Battery Backup.



TW-XP Transmitter

The TW-XP 4-20mA Explosion Proof Transmitter is compatible with all Gastronics sensors and is equipped with Hi and HiHi Alarm Relays. The 316 Stainless Steel TW-XP is available for both 12-28 VDC and 115/230VAC operation. It can also be upgraded to a True Wireless gas monitor by adding a radio and antenna.



TR-25 Transmitter

TR-25 is designed as a basic Pelistor or Infrared 4-20mA Explosion Proof Gas Transmitter for Combustible or CO2 Gases.



SL-Series Gas Transmitter

The SL-Series is a 2-Wire, 4-20mA Gas Transmitter which will accommodate various electrochemical gas sensors to measure for toxic gases. It is approved for Class I, Division 2.



Represented by:

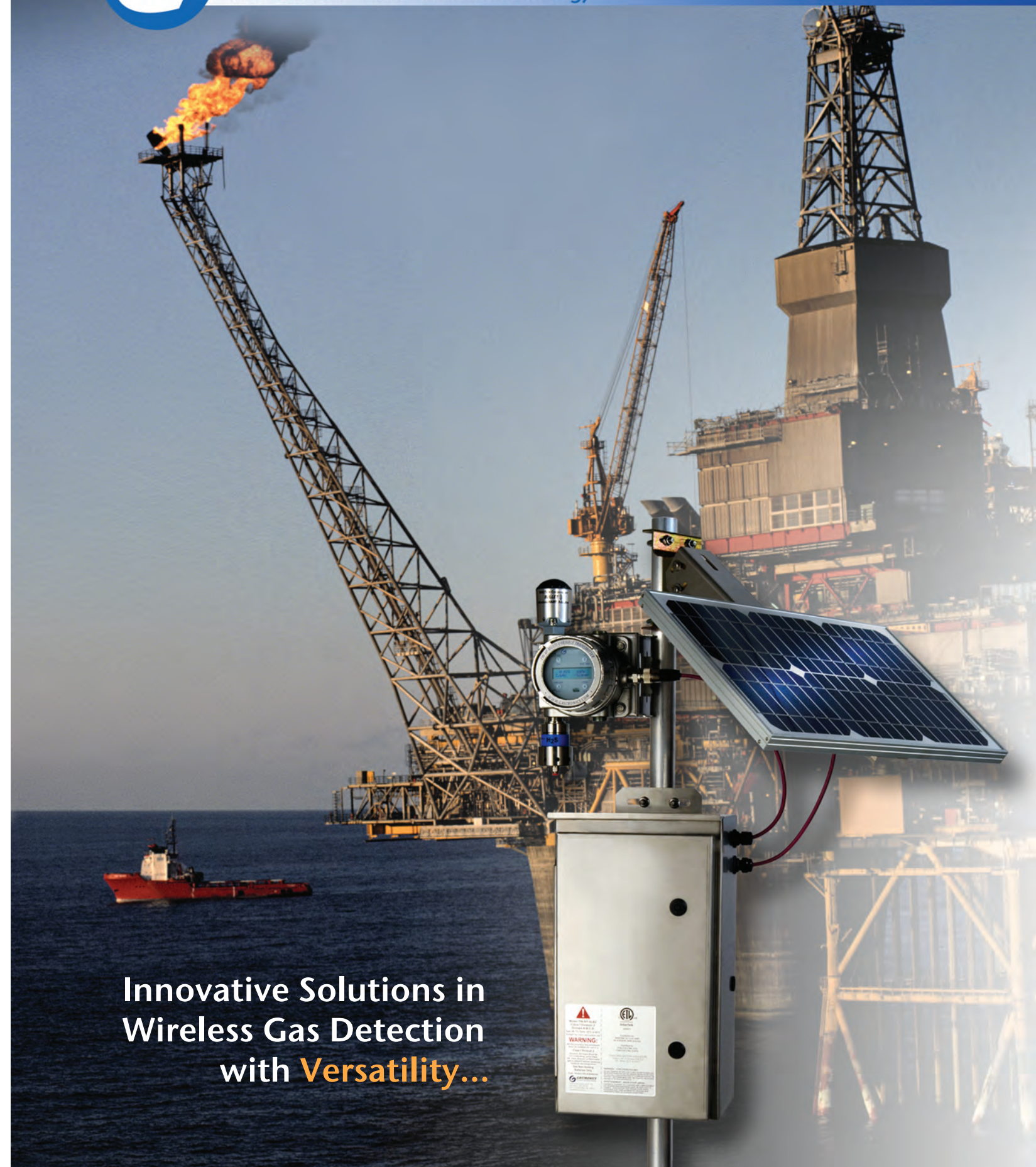


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Innovative Solutions in
Wireless Gas Detection
with **Versatility...**





True Wireless® Gas Detection, Now approved for Class I, Division 1 up to 6 Watts of Power!

The True Wireless® Model TW-XP Gas Monitor is approved for Class I, Division 1 Explosion Proof with 6 Watt UHF/VHF/220MHz, GPRS/GPS, WiHart® and ISA100.11a radio technologies. The TW-XP offers dual gas sensor inputs and other I/O to offer maximum versatility to meet a variety of applications.

The system allows for up to 254 remote units per radio channel communicating with multiple stationary and portable base stations. The base stations provide data via Modbus-RTU to DCS and SCADA Systems and is compatible with SAFER Systems chemical dispersion modeling software.

Key Features

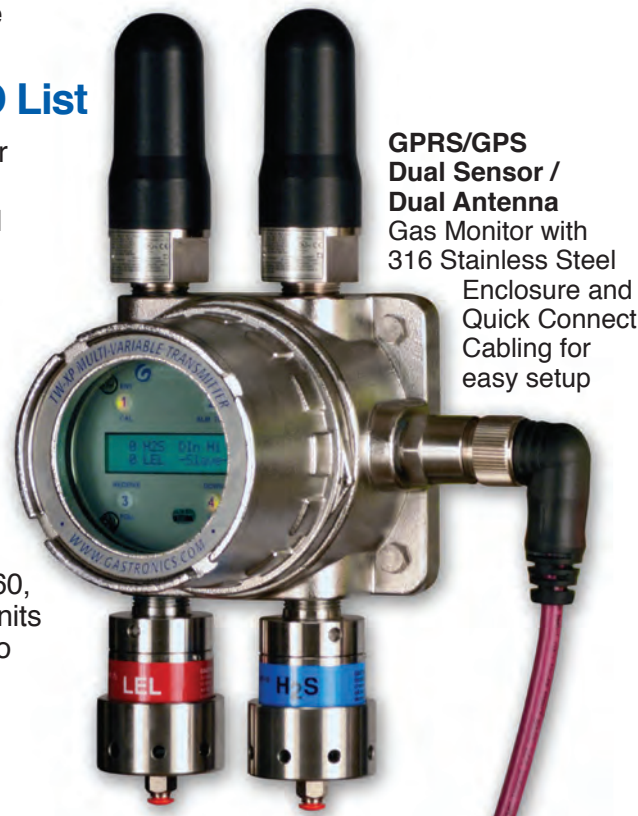
- UL/CSA Class I, Div. 1 Approved
- Multiple Radio Technologies
- Dual Gas Sensor Capability
- Multiple Auxiliary Inputs and Outputs
- Data Logger with Real Time Clock
- Remote Radio Silence can be enabled and disabled from base transceiver
- Infrared Provisioning
- Program frequencies on field unit display
- Optional Class I, Div. 2 Cabling System for Easy Setup
- Low Power Consumption
- Voltage Options 12 - 28 VDC, 115/230 VAC
- Internal Lithium Battery Option for ISA100.11a
- 316 Stainless Steel Enclosure

Field Transmitter I/O List

- Gas Sensor Pelistor Input for Catalytic, Infrared and P.I.D.
- Gas Sensor Electrochemical Input for Toxic and Oxygen Sensors
- Digital Input, Hi or Lo, Manual Alarm
- 4-20mA and 0-5VDC Inputs scalable to 4.0-20.0, 0-1.00, 3.00, 5.00, 10.00, 5.0, 10.0, 20.0, 25.0, 50.0, 100.0, 50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 360, -50 - +50, -50 - +150, with units of measure that can be set to mA, %, ppm, Volt, Celsius, Fahrenheit, & Degrees.
- 4-20mA Output
- Dual Relay Outputs

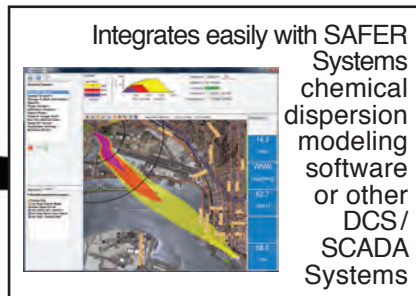


TW-XP with WiHART® MACTek® BULLET® Adapter



GPRS/GPS Dual Sensor / Dual Antenna Gas Monitor with 316 Stainless Steel Enclosure and Quick Connect Cabling for easy setup

Portable Transceiver Base Station



Integrates easily with SAFER Systems chemical dispersion modeling software or other DCS/SCADA Systems

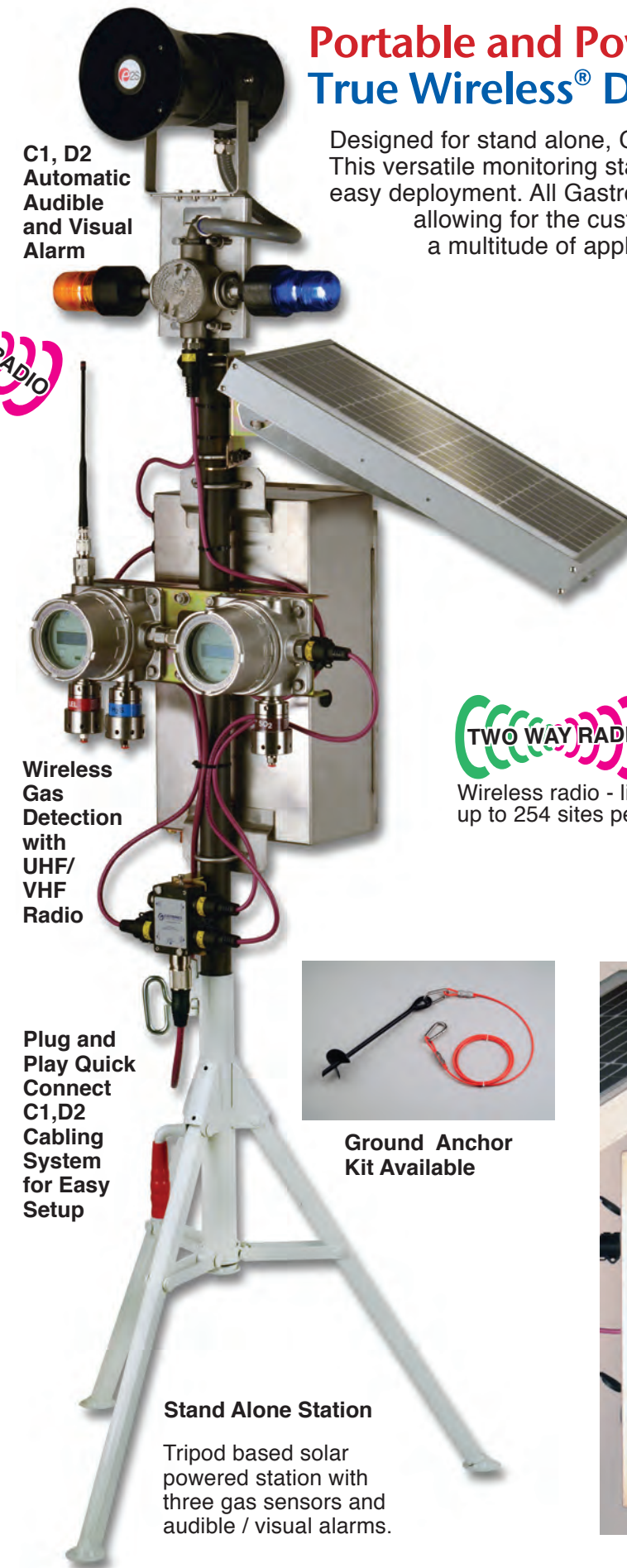
Available Gases Gas Sensor Input 1

- Combustibles (Catalytic or Infrared)
- VOC's (Photoionization)
- Carbon Dioxide (Infrared)

Gas Sensor Input 2

- Ammonia
- Chlorine
- Chlorine Dioxide
- Carbon Monoxide
- Hydrogen
- Hydrogen Chloride
- Hydrogen Cyanide
- Hydrogen Fluoride
- Hydrogen Sulfide
- Hydrogen Sulfide Hi Temp (65°C) 5 Year Solid EC
- Nitric Oxide
- Nitrogen Dioxide
- Oxygen
- Phosgene
- Phosphine
- Sulfur Dioxide

C1, D2 Automatic Audible and Visual Alarm



Wireless Gas Detection with UHF/VHF Radio

Plug and Play Quick Connect C1,D2 Cabling System for Easy Setup

Stand Alone Station

Tripod based solar powered station with three gas sensors and audible / visual alarms.

Ground Anchor Kit Available



Wireless radio - links devices with up to 254 sites per radio channel

Portable and Powerful! True Wireless® Deployable Monitoring Station

Designed for stand alone, Class I, Division 2 hazardous locations. This versatile monitoring station features *plug and play* setup for quick and easy deployment. All Gastronics wireless components are interoperable allowing for the customizing of complete turn-key systems to meet a multitude of applications.

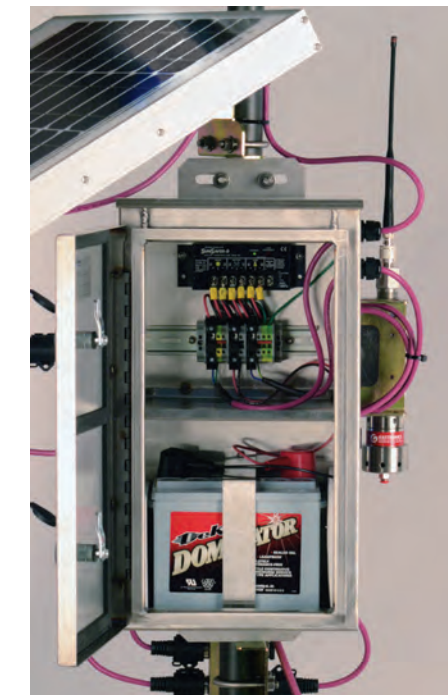
RG3 RTU

Combine Wireless Gas Detection with Wireless Monitoring and Controls. Features 6 analog inputs, 8 digital inputs, 4 relay outputs and RS232/485 (Modbus-RTU)



Wall Mount RG9-RTU Base Station Expandable up to 500 I/O

316 Stainless Steel Class I, Div. 2, Gr. ABCD UL/CSA Approved Solar Charged, Battery Power



The TW-XP stand alone station is powered by a gel cell battery, optimized by a SunSaver 6L PV Controller and charged with a 40/50 Watt Solar Panel for reliable monitoring suitable for Class I, Division 2 Hazardous Locations.