

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 Dual 4-20 mA 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 115/230 VAC operation. It can also be upgraded to a True Wireless gas monitor by adding a radio and antenna.



SL-Series Gas Transmitter

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



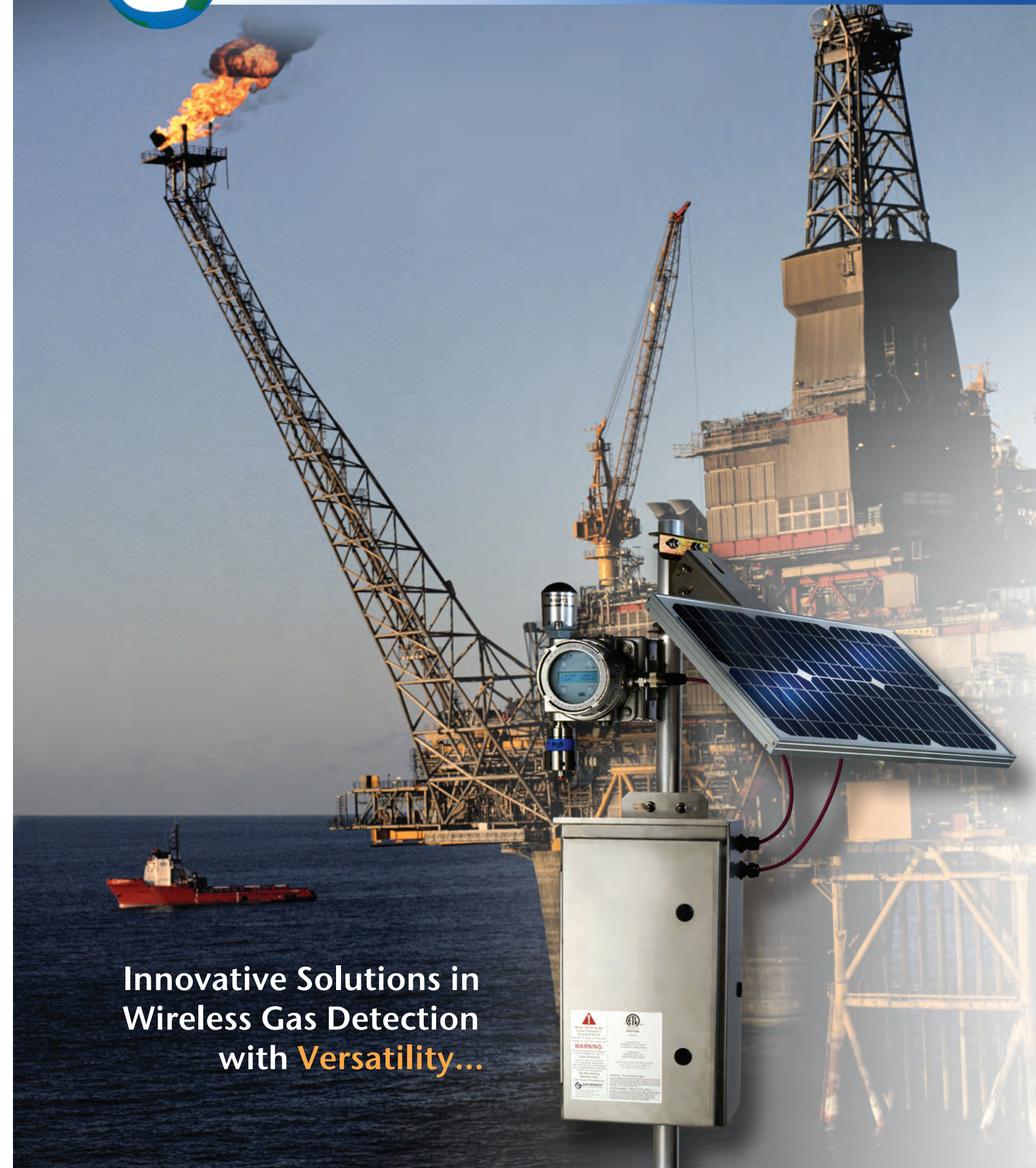
TR-25 Transmitter

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



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Represented by:



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



True Wireless® Gas Detection with Multiple Radio Options - UHF/VHF, WiHart®, 900/868 MHz, 2.4 GHz

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

The True Wireless® Gas Detector is certified explosion proof for hazardous locations with options for 6 Watt UHF/VHF, WiHart®, 900/868 MHz and 2.4 GHz Mesh radio technologies. The Detector offers dual gas sensor inputs and other I/O, offering 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 are compatible with SAFER One® chemical dispersion modeling software.

Key Features

- North America Certifications Class I, Div 1, Groups B, C, D (UL/CSA)
- European Certifications Class I, Zone 1, Group IIB+H2 (IECEX/ATEX)
- 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
- Optional 5 Relay Board with 12/24 VDC converter to support 24 V Auxiliary Devices
- Optional Class I, Div. 2 Cabling System for Easy Setup
- Low Power Consumption
- Voltage Options 12 - 28 VDC, 115/230 VAC, 3 VDC Lithium
- Internal Lithium Battery Option for 900/868MHz and 2.4GHz radios
- 316 Stainless Steel Enclosure with 5 ports

Detector Input / Outputs

- Dual Gas Sensor Inputs
- Dual Auxiliary Analog Inputs
- Single Digital Input
- Single Analog Output
- Optional Dual Analog Output Board
- Optional 5 Relay Output Board



True Wireless® Gas Detector with Lithium battery for up to 2 years of continuous operation



Detector with WirelessHART® Adapter

Portable Receiver
Model P1200
(outside dimensions -11" x 10" x 5")



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

Available Gases

Gas Sensor Input 1

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

Gas Sensor Input 2

- Ammonia
- Chlorine
- Chlorine Dioxide
- Carbon Monoxide
- Hydrogen
- Hydrogen Chloride
- Hydrogen Cyanide
- Hydrogen Fluoride
- Hydrogen Sulfide (to 65°C)
- Nitric Oxide
- Nitrogen Dioxide
- Oxygen
- Phosgene
- Phosphine
- Sulfur Dioxide



Class I, Division 2 Audible and Visual Quad Alarm



UV/IR Flame Detector

LEL-IR Sensor

Light colors
Amber - LEL
Blue - H2S
Red - Flame
Clear - Fault

Dual Gas Sensors,
Dual Analog Inputs 12/24V Supply for UV/IR

All Cabling -
Class I, Div. 2 Approved

316 Stainless Steel Battery Regulator Enclosure -
Class I, Div. 2 Approved

Solar Package
for Remote Reliable Power
Solar Panel - Class I, Div. 2 Approved

Sensor Extension
for Low Lying Gases

H2S Sensor

Light Weight Retractable Tripod

ISO9001:2008 Certified

Covered by one or more of the following patents:
US Patent Nos. 6,670,887 and 6,794,991.

Portable and Powerful! True Wireless® Deployable Monitoring Stations for Gas & Flame

Designed for stand alone, Class I, Division 2 hazardous locations. This versatile monitoring station features gas and flame detection and *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 the most demanding 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)



Wireless radio - links devices with up to 254 sites per radio channel
• Radio Options include:
UHF/VHF, 900/868 MHz, 2.4 GHz Meshing



Wall Mount RG9-RTU Base Station
Expandable up to 500 I/O, 254 Wireless Points