



Specifications Sheet



Remove Live Monitoring Barriers

- Receive real-time alerts from personal gas monitors and area monitors when alarms occur
- Locate workers faster when an incident happens using a live map
- Monitor hazardous locations and get data from confined spaces in real time
- Set up in minutes without the need for costly IT infrastructure

Connect and Integrate with Your Existing Control Systems

- Connect up to eight external devices, such as alarms and sirens, with relay control
- Seamlessly integrate with your internal systems with modbus to improve safety processes
- Combine these features to automate hazard awareness and response protocols at your site

SPECIFICATIONS

WARRANTY: 2 years

DIMENSIONS: 11 x 9 x 6 in (28 x 23 x 15 cm)

WEIGHT: 5.6 lb (2.5 kg)

CASE MATERIAL: Polycarbonate | Leather external case

RUN TIME / POWER SOURCE

Rechargeable Battery Pack: 168 hours at 25 °C (77 °F), 5 minute non-critical data interval
Charge Time: Up to 8 hours

Power Voltage Inputs: 9-30 VDC (for operation in industrial facility, vehicle, and office)

TEMPERATURE RANGE: -20 °C to 55 °C (-4 °F to 134 °F)

HUMIDITY RANGE: 5% to 95% non-condensing (continuous)

INGRESS PROTECTION: IP65

LOCATION: GPS Radio; Antenna: Internal; Accuracy: ~10 m (32 ft) outdoors

SUPPLIED WITH GATEWAY: Charging Power Cord

OPTIONAL ACCESSORIES

Extended Run Time Power Supply (intrinsically safe or standard)
Mounting Kits (wall or magnet)

USER INTERACTION

Power Button with Status Indicator
Configuration: Locally over Ethernet or wi-fi, or remotely over-the-air (iNet® Control)
Firmware Upgrades: Over-the-air

COMMUNICATION*

LENS™ WIRELESS, MESH NETWORK
Frequency: ISM license-free band (2.4 GHz)
Max Instruments: 25 devices (including RGX)



RANGE

World Mode, RGX™ Gateway to RGX Gateway 300 m (~1,000 ft) line of sight
CE/RED Compliant Mode, RGX Gateway to RGX Gateway 185 m (~600 ft) line of sight
World Mode, RGX Gateway to Radius® BZ1 300 m (~1,000 ft) line of sight
CE/RED Compliant Mode, RGX Gateway to Radius BZ1 185 m (~600 ft) line of sight
World Mode, RGX Gateway to Ventis® Pro5 100 m (~300 ft) line of sight
CE/RED Compliant Mode, RGX Gateway to Ventis Pro5 100 m (~300 ft) line of sight

ENCRYPTION: AES-128

APPROVALS: FCC Part 15, IC, CE/RED, Others*

CELLULAR

US: LTE - Verizon, AT&T, T-Mobile
Canada: LTE - Telus, Bell, Rogers

Modbus Communication:
RTU RS-485 3 Wire (Slave)

EMEA: LTE - Tele2

Asia Pacific: LTE - Telefonica
Antenna: Internal Multi-Band

Relay Connectivity:

Compatible with Modbus Relays
and communicates on baud rates of
4800, 9600, 19200, 38400, 57600

WI-FI

802.11 b/g/n 2.4 GHz wi-fi with WPA2 Enterprise security

ETHERNET (INTERNAL ONLY)

Ethernet 10/100 Mb

HAZARDOUS CERTIFICATIONS

ATEX**: Zone 2: Ex ec ic IIC T6 Gc; RoHS Compliant

China Ex: Zone 2: Ex ec ic IIC T6 Gc (CN)

cULus: Class I, Division 2, Groups A, B, C, D, T6; Zone 2: Ex ec ic IIC T6 Gc (CA)

AEx ec ic IIC T6 Gc (US)

IECEx**: Zone 2: Ex ec ic IIC T6 Gc

* See www.indsci.com/wireless-certifications for country-specific wireless approvals and certifications

** Requires leather case

COMMON INSTRUMENT CONFIGURATIONS

PART NO.	DESCRIPTION
18109509-101	RGX Gateway, No SIM, wi-fi/Ethernet compatible, LENS Repeater Mode, cULus, North American Power Cord
18109509-211	RGX Gateway, USA, LTE (Verizon compatible), cULus, North American Power Cord
18109509-221	RGX Gateway, USA, LTE (AT&T compatible), cULus, North American Power Cord
18109509-251	RGX Gateway, Canada, LTE, (Telus/Bell/Rogers compatible), cULus, North American Power Cord
18109509-362	RGX Gateway, EMEA, LTE (Tele2 compatible), ATEX/IECEx, EU Power Cord
18109509-372	RGX Gateway, Asia Pacific, LTE (Telefonica compatible), ATEX/IECEx, EU Power Cord