

SPECIFICATIONS

Applications

Turnarounds & Plant Maintenance

Emergency Response

Confined Space

Approvals / Standards

FCC and Industry Canada

Class I, Division 1, Groups A, B, C and D T4 -20C to +55C

Class I, Zone 0, AEx da ia IIC Ga T4

Data Logging

Minimum 90-day cloud-synced data logs. Device data synced and stored in customer Grid account.

Markets

Utilities

Construction

Oil & Gas

Mining

Fire Service

General Industry

Size

Weight: 261 grams (9 oz)

Dimensions: 11.7 x 7.8 x 3.9 cm (4.6 x 3.1 x 1.5 in)

Warranty

Always under warranty with subscription

Battery & Charging

- Battery: 2 Ah Rechargeable
- Charge Time: Typical full charge is 4.5 hours at room temperature
- Charging Temperature Range: 0°C-40°C*
- Battery Life: LTE-M: 17 hours typical (LTE-M)*, 2G: 16 hours typical
- Actual battery run-time will vary depending on factors including cellular coverage, GPS coverage, ambient temperature, usage, active alerts, acknowledgment delay of alerts, location changes, RFID reading, gas readings, device navigation, battery age, and battery cycles.



Durability

- Exceeds 26 drops from 4 feet (1.2 m) (MIL-STD-810G 516.6 Transit Drop)
- Capable of surviving an incidental 25 foot (7.5 m) drop onto concrete
- Survives 60 minutes in NFPA 1982-2018 tumble tester
- Dust and waterproof IP68 rating (2 m for 1 hour)

Location Awareness

- GNSS: Concurrent GNSS (GPS and GLONASS)
- GPS Update Frequency: 30 seconds*
- Location is updated every 30 seconds when a position is acquired. When no position is acquired, the device searches for a location every five minutes to conserve battery life of the device.

GPS Accuracy: 2.5 meters*

- GPS accuracy will be influenced by surroundings, infrastructure, & environmental conditions

Connectivity

- RFID Reader: Used by MSA id Tags for digital device assignment & DOCK communication
- Cellular: LTE-M / 2G Fallback
- Cellular Carriers: AT&T Global Partner Network, Verizon (USA Only)
- Bluetooth: v4.1 Bluetooth Low-Energy (BLE)

Sensor Life

Gas	Type	Typical Sensor Life*	Range	Resolution
Combustible	Catalytic	5 Years	0-100% LEL or Varying Vol %	1% LEL or 0.05 Vol %
O ₂	Electrochemical	7 Years	0 - 30 Vol %	0.1 Vol %
CO	Electrochemical	7 Years	0 - 1,999 ppm	1 ppm
H ₂ S	Electrochemical	7 Years	0 - 199 ppm	1 ppm
H ₂ S Low Concentration	Electrochemical	7 Years	0 - 99.9 ppm	0.1 ppm
SO ₂ (Coming Soon)	Electrochemical	7 Years	0 - 20 ppm	0.1 ppm
NO ₂ (Coming Soon)	Electrochemical	7 Years	0 - 50 ppm	0.1 ppm
CO - Hydrogen Resistant	Electrochemical	7 Years	0 - 1,999 ppm	1 ppm

* Typical sensor life can vary due to environmental conditions and / or combustible sensor poisoning