

# ALTAIR io™ 6 Connected Multigas Detector

## Device Specifications

<b>APPLICATIONS</b>	Turnarounds & Plant Maintenance, Emergency Response, Confined Space
<b>MARKETS</b>	Utilities, Construction, Oil & Gas, Mining, Fire Service, General Industry
<b>DATA LOGGING</b>	Minimum 90-day cloud-synced data logs. Device data synced and stored in customer Grid account.
<b>SIZE</b>	
WEIGHT	420g
DIMENSIONS	15.2 x 8.2 x 5.7 cm
<b>DURABILITY</b>	<ul style="list-style-type: none"> <li>Exceeds 26 drops from 4 feet (1.2 m) (MIL-STD-810G 516.6 Transit Drop)</li> <li>Capable of surviving an incidental 25 foot (7.5 m) drop onto concrete</li> <li>Survives 60 minutes in NFPA 1982-2018 tumble tester</li> <li>Dustproof and water-resistant (IP65)</li> </ul>
<b>WARRANTY</b>	Always under warranty with subscription. 4 years with purchase option.
<b>APPROVALS/STANDARDS</b>	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

## Sensor Life

Gas	Type	Typical Sensor Life*	Range	Resolution
<b>COMBUSTIBLE</b>	Catalytic	5 Years	0-100% LEL or Varying Vol %	1% LEL or 0.05 Vol %
O <sub>2</sub>	Electrochemical	7 Years	0 – 30 Vol %	0.1 Vol %
CO	Electrochemical	7 Years	0 – 1,999 ppm	1 ppm
H <sub>2</sub> S	Electrochemical	7 Years	0 – 199 ppm	1 ppm
H <sub>2</sub> S - LOW CONCENTRATION (coming soon)	Electrochemical	7 Years	0 – 99.9 ppm	0.1 ppm
SO <sub>2</sub>	Electrochemical	7 Years	0 – 20 ppm	0.1 ppm
NO <sub>2</sub>	Electrochemical	7 Years	0 – 50 ppm	0.1 ppm
CO - HYDROGEN RESISTANT (coming soon)	Electrochemical	7 Years	0 – 1,999 ppm	1 ppm

Note: PID, CO<sub>2</sub>, IR Comb, PH<sub>3</sub>, HCN, ClO<sub>2</sub>, NO, and H<sub>2</sub>, and more sensors will be available at a later date.

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

## Battery & Charging

<b>BATTERY</b>	2.35 Ah Rechargeable
<b>CHARGING TIME</b>	Typical full charge is 6,5 hours at room temperature
<b>CHARGING TEMP. RANGE</b>	32°F – 104°F (0°C – 40°C)*
<b>BATTERY LIFE</b>	16 hours typical (LTE-M)* 13 hours typical (PID) <i>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.</i>

## Connectivity Specifications

<b>LOCATION AWARENESS</b>	GNSS Concurrent GNSS (GPS and GLONASS)
<b>GPS UPDATE FREQUENCY</b>	30 seconds* <i>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.</i>
<b>GPS ACCURACY</b>	8 ft. (2.5 m)* <i>GPS accuracy will be influenced by surroundings, infrastructure, and environmental conditions.</i>
<b>RFID READER</b>	Used by MSA id Tags for digital device assignment and ALTAIR io DOCK communication
<b>CELLULAR</b>	LTE-M
<b>CELLULAR CARRIERS</b>	AT&T Global Partner Network, Verizon (USA Only)

