

Fixed Gas Monitoring Systems

iTrans™ FIXED POINT MONITORS

Next generation iTrans™ fixed-point gas monitors employ an intelligent electronics platform to provide 1 or 2 points of detection from a single head for maximum flexibility, superior performance and lower installation costs. The three or four wire system is capable of accommodating more than 200 transmitters in RS485 bus configuration. Able to monitor any combination of gases for a specific environment, iTrans™ utilizes our industry-proven “smart” sensor technology and safety features including automatic sensor recognition, zero and cal fault protection, and access code security, all enclosed within an explosion-proof aluminum housing. The microprocessor-controlled transmitters are capable of independent operation or multi-point system configuration and can transmit a 4 – 20 mA signal or ModBus RTU digital output to any control device or PLC. With optional on-board relays, the monitor has the added ability of stand-alone operation, activating alarms, horns, or fans and can also shut down a system without the need to wire back to a central control panel. iTrans™ also offers a relay deactivation feature to prevent accidental alarm activation during calibrations. The units also feature simple non-intrusive calibration, ultrabright LED display, programmable alarms, and on-board sensor life indicators.

- Low cost fixed-point monitors with choice of sensor options.
- Single or dual sensors.
- On-board or remote mounting up to 200 m.
- 4 – 20 mA and ModBus RTU outputs standard for each sensor for direct communication to any control device or PLC.
- Ultra-bright LEDs and dual channel display.
- Optional on-board relay contacts.
- Non-intrusive calibration.
- Explosion-proof aluminum or stainless steel housing.
- CSA Approval – Class 1, Div. 1, 2, Groups B, C, D; AEXd11B.
- Sensor options include CO, NO, NH₃, H₂S, SO₂, NO₂, Cl₂, ClO₂, HCN, O₂, HCl, H₂, PH₃, CO/H₂, Null and LEL infrared, LEL catalytic, and LEL infrared propane.



Description	Shpg. Wt. (lbs.)	Item	Each
iTrans™ – Explosion-Proof, On-Board CO Sensor with Relays	5.4	◆ IDS7814635-11010	\$1,408.47
iTrans™ – Explosion-Proof, On-Board O ₂ Sensor with Relays	5.4	◆ IDS7814635-1A410	\$1,408.47
iTrans™ – Explosion-Proof, On-Board LEL Sensor	5.4	◆ IDS7814635-1C200	\$1,322.83
iTrans™ – Explosion-Proof, On-Board LEL Sensor with Relays	5.4	◆ IDS7814635-1C210	\$1,408.47
iTrans™ – Explosion-Proof, On-Board LEL and CO Sensors with Relays	5.4	◆ IDS7814635-1C2110	\$1,969.97
iTrans™ – Explosion-Proof, On-Board H ₂ S Sensor with Relays	5.4	◆ IDS7814635-14110	\$1,408.47
iTrans™ – Explosion-Proof, Dual Remote LEL Sensors with Relays	5.4	◆ IDS7814635-2C212C2	\$2,350.64
iTrans™ – Explosion-Proof, Remote LEL Sensor	5.4	◆ IDS7814635-2C200	\$1,513.17
iTrans™ – Explosion-Proof, Remote LEL Sensor, Remote H ₂ S Sensor	5.4	◆ IDS7814635-2C20241	\$2,264.97
iTrans™ – Explosion-Proof, Remote LEL Sensor with Relays	5.4	◆ IDS7814635-2C210	\$1,598.81
iTrans™ – Explosion-Proof, Remote CO Sensor with Relays	5.4	◆ IDS7814635-21010	\$1,598.81
iTrans™ – Explosion-Proof, Remote H ₂ S Sensor with Splash Guard and Relays	5.4	◆ IDS7814635-54110	\$1,646.40
Stainless Steel iTrans™			
iTrans™ – Explosion-Proof, Stainless Steel On-Board LEL and Remote H ₂ S, with Relays	5.4	◆ IDS7814635-6C21741	\$4,539.48
iTrans™ – Explosion-Proof, On-Board LEL, with Relays	5.4	◆ IDS7814635-6C210	\$2,550.48
iTrans™ – Explosion-Proof, On-Board CO, with Relays	5.4	◆ IDS7814635-61010	\$2,550.48
iTrans™ – Explosion-Proof, On-Board H ₂ S, with Relays	5.4	◆ IDS7814635-64110	\$2,550.48
iTrans™ – Explosion-Proof, Remote LEL and Remote H ₂ S, with Relays	5.4	◆ IDS7814635-7C21741	\$5,395.98
iTrans™ – Explosion-Proof, Remote NH ₃ and Remote LEL Catalytic, No Relays	5.4	◆ IDS7814635-73207C2	\$5,595.82

*Service available through your nearest Acklands-Grainger location.

AIRWARE™ SINGLE-GAS MONITORS

Industry proven performance combined with a new, low-profile design makes the Industrial Scientific AirAware a logical choice for those critical areas that require continuous monitoring but not the environmental protection of an explosion-proof enclosure.



Providing discrete monitoring and enhanced aesthetics for more commercial or institutional setting, the AirAware Series is the ideal solution for reliable, low-cost, fixed-point monitoring. The AirAware can be configured to operate as a monitor with the local LED display, a controller with on-board relay switching capability, a transmitter with 4-20mA or Modbus RTU outputs, or as a transmitter with on-board relays. Each configuration is designed to meet your specific indoor monitoring needs. Every AirAware is equipped with electrochemical sensing technology, dual alarm LEDs, a digital display providing real-time readings, push-button operation and a NEMA 4 type enclosure. When alarm conditions are met, low/high alarm visual indicators alert users to gas hazards. Standard operating power is 12 – 24 VDC for the AirAware, while a 120 VAC power supply option is available for convenient plug-in monitoring applications. Configure your AirAware to match your needs, adding options such as on-board audible alarm for maximum attention, or a vanity plate to hide the display. Sensor options include: CO, NO, NH₃, H₂S, SO₂, NO₂, Cl₂, ClO₂, HCN, O₂, HCl and PH₃.

Description	Shpg. Wt. (lbs.)	Item	Each
CO Monitor with Power Supply, Audio Alarm	4.0	◆ IDS68100056-11010	\$993.04
CO Control with Audio Alarm	4.0	◆ IDS68100056-11100	\$1,081.86
CO Control/Transmit with Audio Alarm	4.0	◆ IDS68100056-11300	\$1,135.15
NH ₃ Monitor with Power Supply, Audio Alarm	4.0	◆ IDS68100056-31010	\$1,401.62
NH ₃ Control with Audio Alarm	4.0	◆ IDS68100056-31100	\$1,490.44
NH ₃ Control/Transmit with Audio Alarm	4.0	◆ IDS68100056-31300	\$1,543.74
Cl ₂ Monitor with Power Supply, Audio Alarm	4.0	◆ IDS68100056-71010	\$1,046.33
Cl ₂ Control with Audio Alarm	4.0	◆ IDS68100056-71100	\$1,135.15
Cl ₂ Control/Transmit with Audio Alarm	4.0	◆ IDS68100056-71300	\$1,188.45
O ₂ Monitor with Power Supply, Audio Alarm	4.0	◆ IDS68100056A1010	\$1,052.62
O ₂ Control with Audio Alarm	4.0	◆ IDS68100056A1100	\$1,081.86
O ₂ Control/Transmit with Audio Alarm	4.0	◆ IDS68100056A1300	\$1,135.15
Accessories			
Audio/Visual Alarm, Red Lens, 24 V DC	2.0	◆ IDS77016632	\$404.01

◆ Special order from manufacturer. Delivery may vary.