

GEN²

OTIS

OI-5900-X-X-O Transmitter Assembly

Explosion Proof Wired Power 4-20 mA State Transmitter

The Otis Instruments OI-5900 is a WireFree Explosion Proof 4-20 mA Transmitter. The OI-5900 makes any sensor into a WireFree sensor, including wired gas, flame, tank level and many other sensor types. Operates from 12 to 35 Volts DC and has a full range scale of up to 30,000. Magnetic switches allow for non-intrusive calibration while in the field as well as full system settings and diagnostics.



Product Features

- Signal Transmitter
- WireFree (Wireless) Communication
- Wired Power
- Operating Voltage: 12V to 35V
- External N-Female Radio Frequency (RF) Connector
- 3 Push-Button Interface (ADD, MENU, SUB) with 3 Corresponding Magnetic, Non-Intrusive Switches
- 102x64 Resolution Graphical LCD Screen; Transflective (Sunlight Readable) with LED Backlight
- Transmits a 4-20 mA Signal or Scaled Value Up to 30,000
- Connectivity With Any 4-20 mA Sensor
- Radio Options: 900 MHz Radio (52 Networks) or 2.4 GHz Radio (78 Networks)
- Aluminum Device Enclosure
- QPS Product Certified
- 1-Year Limited Hardware Warranty



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OI-5900-X-X-O Transmitter Assembly

Explosion Proof Wired Power Ambient Air 4-20 mA State Transmitter

OI-5900-X-X-O Product Specifications

Product Specifications	
Product Type	4-20 mA Signal Transmitter
Power Type	Wired Power
Operating Voltage	12V to 35V DC
Current Draw	<175 mA Maximum (Varies w/ Sensor Connectivity)
RF Connection	External N-Female Radio Frequency (RF) Connector
Protection	Power Electromagnetic Interference (EMI) Filter
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD, and SUB)
Customizable Settings	Transmits a 4-20mA signal or scale up to 30,000 Adjustable Communication Transmission on Change Setting
T _{amb} Temperature Range	-40°C to +54°C (-40°F to +129°F)
Wired (Analog) Input	1 (Maximum) 4-20 mA Wired Sensor
Product Compatibility	GEN II Wired Sensors (OI-675, OI-6000, OI-6000K) GEN II WireFree Meter (OI-9100), GEN II WireFree Repeater (OI-9900) GEN II WireFree Monitors (OI-7010, OI-7032, OI-7500, OI-7543, OI-9850) 3rd Party Wired (Analog) Sensors
WireFree Radio Options	GEN II 900 MHz Radio or GEN II 2.4 GHz Radio
Networks	52 Networks (GEN II 900 MHz Radio) or 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Enclosure Material	Aluminum Device Enclosure
Product Dimensions	5.42 in. L x 6.03 in. W x 12.16 in. H (Max. Dimensions w/ Attachments)
Total Weight	4.8 lbs.
Product Certified	QPS Product Certified
Hazardous Location Certifications and Approvals	Class I, Division 1, Groups C and D Ex db IIB T6 Gb Class I, Zone 1, AEx db IIB T6 Gb Tamb -40°C to +54°C
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-5900-[Radio]-[X]-[Enclosure] OI-5900-X-X-O

