

## OI-7480 Wired Monitor

The Otis Instruments Gen II ProSafe 4×8<sup>2</sup> Model OI-7480 is a powerful twelve-channel gas monitor designed to serve as a central transmission controller for industrial safety systems. The OI-7480 offers real-time monitoring, data display, alarm activation, and data transmission, ensuring comprehensive safety management in challenging environments.

### Key Features:

- **Twelve-Channel Monitoring:** Supports up to 12 wired sensor assemblies, providing broad coverage and accurate gas level monitoring in ambient air.
- **Reliable Signal Integration:** Receives and displays 4-20mA signals from connected sensors, offering real-time data visualization and enhanced safety awareness.
- **Advanced Data Management:** The OI-7480 allows for:
  - \* **Data Display:** Provides clear and immediate visibility of sensor readings, ensuring informed decision-making.
  - \* **Data Transmission:** Enables remote monitoring and integration with supervisory control systems.
  - \* **Alarm Activation:** Automatically triggers alarms when gas levels exceed safety thresholds, enhancing site safety protocols.
- **Versatile Application:** Suitable for industrial facilities, chemical plants, manufacturing sites, and any environment requiring robust gas detection.
- **User-Friendly Interface:** The intuitive display and control system facilitate easy configuration, maintenance, and system diagnostics.

### Ideal For:

- Industrial safety monitoring
- Environmental safety compliance
- Process control systems
- Facilities management

The Otis Instruments Gen II ProSafe 4×8<sup>2</sup> Model OI-7480 combines multi-channel monitoring, reliable data transmission, and automatic alarm capabilities, providing a comprehensive solution for maintaining safety and enhancing operational efficiency in industrial environments.



### Corporate Office

301 S. Texas Avenue  
Bryan, Texas 77803  
P: 979-776-7700

[sales@otisinstruments.com](mailto:sales@otisinstruments.com)

[www.otisinstruments.com](http://www.otisinstruments.com)

### Midland Office

3308 Norden Drive  
Midland, Texas 79706  
P: 432-563-5858

## 12 Channel Non-Explosion Proof Wired Monitor

| Product Specifications             |                                                                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type                       | 12 Channel Wired Gas Monitor                                                                                                                                                    |
| Power Type                         | Wired Power                                                                                                                                                                     |
| Operating Voltage                  | 12-35 VDC or 120 AC                                                                                                                                                             |
| Current Draw                       | 325 mA Maximum (12-Channel)                                                                                                                                                     |
| Power Supply                       | 6.25A (150W), 85/264V AC to 24V DC (Optional)                                                                                                                                   |
| Protection                         | Power Electromagnetic Interference (EMI) Filter<br>4-20 mA Surge Suppression<br>RS-485 Surge Suppression                                                                        |
| Display Screen                     | 160x104 Resolution Graphical LCD Screen                                                                                                                                         |
| Interface                          | 5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD, and RESET/ESC)                                                                                                                       |
| T <sub>amb</sub> Temperature Range | -20°C to +70°C (-4°F to +158°F)                                                                                                                                                 |
| Wired (Analog) Input               | Up to 12 Wired 4-20 mA (Analog) Inputs                                                                                                                                          |
| Relays                             | 4 Dry-Contact Relays with 4 Amp Replaceable Fuses<br>Fault Terminal<br>Option to Disable Alarm Relays<br>Latching and Non-Latching Relay Settings<br>Individual Set Per Channel |
| (Digital) Output                   | RS-485 Modbus                                                                                                                                                                   |
| Product Compatibility              | Any Otis Wired Sensor (OI-6750, OI-6000, OI-6400)<br>3rd Party Wired (Analog) Sensors                                                                                           |
| Enclosure Material                 | Fiberglass Enclosure w/ Clear Window                                                                                                                                            |
| Product Dimensions                 | 12 in. L x 10 in. W x 6 in. H (Max. Dimensions w/ Attachments)                                                                                                                  |
| Total Weight                       | 12.15 lbs.                                                                                                                                                                      |
| Product Mounting                   | 4 Mounting Feet, 6 in. W x 12-1/4 in. T (Included)<br>Maximum Mounting Bolt/Screw Size of 5/16 in. (8mm) Diameter                                                               |
| Hardware Warranty                  | 1-Year, Limited                                                                                                                                                                 |
| Part Number Formula                | OI-7480-[Power]-[Channels]<br>OI-7480-X-12                                                                                                                                      |

*GEN<sup>2</sup>*