

# GEN<sup>2</sup>

# OTIS

## OI-7432-X-32 Modbus Monitor

### 32 Channel Non-Explosion Proof Wired Modbus Monitor

The Otis Instruments OI-7432 Modbus ProSafe 4x32 is a 32-Channel Gas Controller that can communicate with up to 32 OI-6000 Wired Gas Sensors through R485-Modbus communication. Four relays can be individually set up to the full scale gas reading and may be latching or non-latching. Used in conjunction with the OI-6000 Sensor Assembly allows for a quick and easy installation, providing a safer working environment.



### Product Features

- 32 Channel Wired Modbus Monitor
- 12 to 35 VDC Operating Voltage with an Optional AC Power Supply
- Operating Temperature Range of -40°C to +70°C
- Graphical LCD with LED Backlight
- 5 Push-Button Interface (ADD, MENU, SUB, SCAN/HOLD and RESET/ESC)
- 4 Individually Configurable Alarm Set-Points: Four Front Panel ALARM LED Indicators (Red); 4 Dry-Contact Relays (4 Amps Maximum per Relay)
- Status LEDs for Power and Fault: Multi-Color Status Light; Amber Fault LED for Indicating System Faults
- Output Options: Wet Contact Fault Terminal, Relay 4 Can Optionally Be Configured as a Fault Relay, RS-485 Modbus
- Standard Fiberglass Enclosure with Clear Window
- 1-Year Limited Hardware Warranty



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

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

### OI-7432-X-32 Product Specifications

Product Specifications	
Product Type	32 Channel Wired Modbus Gas Monitor
Power Type	Wired Powered
Operating Voltage	12V to 35V DC
Current Draw	275 mA Maximum
Power Supply	6.25A (150W), 85/264V AC to 24V DC (Optional)
Interface	5 Push-Buttons (MENU, ADD, SUB, SCAN/HOLD and RESET/ESC)
Product Compatibility	GEN II Wired Sensors (OI-6000, OI-6000K)
Display Screen	160x104 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Back Light
Product Mounting	4 Mounting Feet, 6 in. W x 12-1/4 in. T (Included) Maximum Mounting Bolt/Screw Size of 5/16 in. (8mm) Diameter
T <sub>amb</sub> Temperature Range	-20°C to +70°C (-4°F to +158°F)
WireFree (Digital) Input	Up to 32 Individual OI-6000 Series Wired Gas Detectors Using RS-485 Modbus
Relays	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Fault Terminal Option to Disable Alarm Relays Latching and Non-Latching Relay Settings
Enclosure Material	Non-Explosion Proof Fiberglass Enclosure with Clear Window
Product Dimensions	10 in. L x 8 in. W x 6 in. H (Max. Dimensions with Attachments)
Total Weight	8.5 lbs.
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-7432-[Power]-32 OI-7432-X-32