

# OI-7032

## 32 Channel Non-explosion Proof Hybrid Monitor and Data Logger

- 32 Channel hybrid touchscreen monitor - supports wirefree and up to 4 wired sensors
- 12 To 35 VDC operating voltage with an optional ac power supply
- Operating temperature range of -20°C to +50°C
- 7-Inch full color touchscreen
- Radio options: GEN II 900 MHz or GEN II 2.4 GHz  
Standard; GEN I 900 MHz radio can also be installed
- Adjustable background gas setting
- 4 Individually configurable alarm set-points - four red  
Alarm indicators; 4 dry-contact relays (4 amps maximum per relay)
- Status indicator for fault conditions - amber indicator for systems faults
- Output options: wet contact dc fault terminal, relay 4  
Can optionally be configured as a fault relay, rs-485 modbus
- 2GB USB drive included for data logging
- 1-Year limited hardware warranty
- Nema 4x standard fiberglass enclosure with clear window



### APPLICATIONS

- Blast Mining
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Gas, telephone & electric utilities
- Manufacturing facilities

### OVERVIEW

The Otis Instruments Model OI-7032 Controller is a Hybrid Touchscreen Monitor that supports up to 32 WireFree Sensor inputs. In addition, 4 of the channels can be set up for 4- 20 mA wired input, making the OI-7032 compatible with both WireFree and Wired sensors.

The OI-7032 also logs the data reported by the sensor assemblies allowing for historical analysis of a site's operation.

The OI-7032 comes standard with DC power and can be configured with an AC power supply. With the addition of a GEN I radio, the OI-7032 can operate in conjunction with either GEN I and/or GEN II sensors. This durable, flexible, and customizable hybrid monitor, in conjunction with the Otis sensors, is part of a truly remarkable gas detection system.

<b>Product Type</b>	32 Channel Touchscreen Hybrid Gas Monitor
<b>Operating Voltage</b>	12V to 35V DC or 240VAC
<b>Current Draw</b>	300 mA Maximum
<b>Power Supply</b>	6.25A (150W), 85/264V AC to 24V DC (Optional)
<b>RF Connection Customisable Settings</b>	<ul style="list-style-type: none"> <li>External N-Female Radio Frequency (RF)</li> <li>Connector Option to Disable Alarm Relays</li> </ul>
<b>Protection</b>	<ul style="list-style-type: none"> <li>Power Electromagnetic Interference (EMI) Filter</li> <li>4-20 mA Surge Suppression</li> <li>RS-485 Surge Suppression</li> </ul>
<b>Display Screen</b>	800x480 Resolution 7-Inch Resistive Touchscreen
<b>Interface</b>	Touchscreen
<b>T<sub>amb</sub> Temperature Range</b>	-20°C to +50°C
<b>WireFree (Digital) and Wired (Analog) Input</b>	Up to 32 WireFree Digital Inputs, Up to 4 Can Be 4-20 mA Wired Analog Inputs
<b>Relays</b>	4 Dry-Contact Relays with 4 Amp Replaceable Fuses Individually Set Full Scale, Normally Open or Normally Closed, Latching or Non-Latching and Fault Terminal
<b>Digital Output</b>	RS-485 Modbus
<b>Product Compatibility</b>	All GEN I and GEN II WireFree Products and Any Wired 4-20 mA Sensors
<b>WireFree Radio Options</b>	<ul style="list-style-type: none"> <li>GEN II 900 MHz Radio</li> <li>GEN II 2.4 GHz Radio</li> <li>GEN I 900 MHz Radio</li> </ul>
<b>Networks</b>	<ul style="list-style-type: none"> <li>52 Networks (GEN II 900 MHz Radio)</li> <li>78 Networks (GEN II 2.4 GHz Radio)</li> <li>255 Addresses per Network</li> </ul>
<b>Enclosure Material</b>	NEMA 4X Fiberglass Enclosure with Clear Window
<b>Product Dimensions</b>	30.5cm L x 25 cm. W x 15.24 cm. H (Max. Dimensions with Attachments)
<b>Total Weight</b>	5.5 kg
<b>Product Mounting</b>	4 Mounting Feet, 15.2 cm. W x 12-6.35 mm. T (Included) Maximum Mounting Bolt/Screw Size of 8mm Diameter
<b>Hardware Warranty</b>	Limited one year
<b>Part Number Formula</b>	OI-7032-[Power ]-[Radio ]-A4 OI-7032-X-X-A4