OI-315-X Single Gas Personal Monitor

Single Gas Portable Monitor

The Otis Instruments OI-315 TOCSIN3 Personal Monitor is a versatile personal safety device designed to detect the presence of toxic gases in ambient air. When activated, TOCSIN3 detects the presence of O2, CO, SO2, H2, H2S or NH3, and alerts the user with visual, vibrating and audible alarms. Features a belt clip that allows it to be conveniently worn on personnel in the field at all times.

Gas Type	Range	T_{90}
O2	0-30%	< 15 Secs.
CO	0-500 ppm	< 30 Secs.
SO2	0-20 ppm	< 35 Secs.
H2	0-1000 ppm	< 75 Secs.
H2S	0-100 ppm	< 30 Secs.
NH3	0-100 ppm	< 60 Secs.

Product Features

- Polycarbonate Enclosure with Rubber Covering for Shock Protection

- IP67 Water and Dust Proof Rating

- High Performance Audible, Visual and Vibration Alarms

- LCD Display with an LED Back Light

- Automatic System Diagnostics

- Internal Data-Logging for up to 20 Events

- ATEX Intrinsic Safety Certification

- Adjustable Alarm Set-Points

- Battery Life: 1.2 Years or 8 Hours of Use per Day

- User-Replaceable Sensor Element and Battery

- Operating Humidity Range of 5% to 95% RH (Non-Condensing)

- Battery Warranty is 90 Days from Product Ship Date

- 2-Year Limited Hardware Warranty

OI-315-X Product Specifications

Product Specifications	
Sensor Type	Electrochemical
Operating Power	CR2 Lithium Battery (3V)
Battery Life	1.2 Years or 8 Hours of Use per Day
Measuring Type	Diffusion
Parameter Control	Front 2 Switch (Calibration, Maintenance, Alarm Setting)
Operation Mode Display	Visual: Digital LCD Display, Trouble Red LED
Programmable Set Mode	Alarm Value (1, 2 Alarm) Time Set Calibration Density Setting
Alarm Display	Visual: Alarm and Status Icon, Trouble Red LED Audible: Buzzer
Measuring Value Display	3-Digit LCD Display
T_{amb} Temperature Range	-20ºC to +50ºC (-4ºF to 122ºF)
Alarm Level Set	Programmable with Detection Range
Internal Data Log	Event Log: 20 Data
Hazardous Location Certification and Approvals	Ex ia IIC T4 IP67 (KGS, ATEX)
Mounting Type	Belt Clip
Operating Humidity	5% to 95% RH (Non-Condensing)
Enclosure Material	Rubber Polycarbonate/TPE
LCD Size	27 W x 17.5 H mm (1.06 in. W x 3.58 in. H x 1.65 in. D)
Product Dimensions	54 W x 91 H x 42 D mm (2.13 in. W x 3.58 in. H x 1.65 in. D)
Weight	120 g (Including Battery)
Hardware Warranty	2-Year, Limited
Part Number Formula	OI-315-[Gas] OI-315-X

OTIS INSTRUMENTS INC.