OIA - SDPUMP

WireFree Explosion-Proof Sample Draw Pump

The Otis Instruments WireFree OIA-SDPUMP measures the gas concentration inside a tank head-space before exposing personnel to hazardous gases. The instrument determines gas concentration measurements and sends a WireFree signal back to a controller to display the readings and activate alarms. This information can be used by field technicians to determine the type of safety gear that is appropriate prior to being exposed to a hazardous environment.
The OIA-SDPUMP draws a sample into the enclosure, exhausts the sample from the device, and is released into the surrounding environment. Ideal for applications such as storage tanks, chemical tanks, agriculture, and more. The OIA-SDPUMP offers 15,000 pump hours and easy filter maintenance with an automatic water drain.

GEN2

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GEN²

OIA- SDPUMP

WireFree Explosion-Proof Sample Draw Pump

OIA - SDPUMP Product Specifications	
Sensor Type	Electrochemical, Infrared, Catalytic Bead, or Photo Ionization Detector
Power Voltage	Wired Power 88-264 VAC
Power Draw	500 mA @ 24 VDC
Protection	Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with white LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD and SUB)
Customizable Settings	2 Individually-Configurable Alarm LED Set-Points
T_{amb} Temperature Range	-40°C to +54°C / -40°F to 130°F
Wired Analog Output	4-20 mA (3-Wire) Fault Terminal
WireFree Radio	GEN II 900 MHz Radio or GEN II 2.4 GHz Radio
Product Dimensions	7 in. D x 11 in. W x 25 in. H
Total Weight	24 lbs.
Hardware Warranty	Limited one year
Sensor Element Warranty	Varies with Gas Type
Part Number Formula	OIA-SD-[Sensor Type]-[Gas Type]-[Radio]-XP

OTIS INSTRUMENTS INC.