DILO ®

SF$_6$ GAS LEAK DETECTOR

The 3-033-R501 raises the industry benchmark for portable SF$_6$ gas leak detection. It is capable of detecting emissions as small as 0.3 oz/yr in less than one second! The device can be used to locate and quantify gas leaks, log them, and then total them in a leak group system. A new ground breaking capability has also been added to our already tried and tested 3-033 series; Advanced Leak Quantification Technology (ALQ), which ensures accurate and reliable operation while eliminating the need for periodic adjustments to a calibrated reference leak source.

An easy to navigate menu system simplifies setup and can be accessed from the device or the Smart Probe. The Smart Probe also features an LCD readout that shows the current leak rate, an LED feedback indicator, and audible indications to signal if the user's maximum defined leak rate or threshold has been exceeded. As an added convenience, SF$_6$ leaks can be displayed in five different units.

■ Advanced Leak Quantification (ALQ™) technology eliminates the need for periodic adjustments to a calibrated reference leak source.

■ Utilizes infrared technology to quickly and accurately pinpoint leaks as well as to extend sensor life and eliminate false alarms.

■ Automatic calculation of gas concentration regardless of flow rate

■ Responds to leaks in less than one second and detects leaks as small as 0.03 oz/yr (0.9 g/yr)

■ Smart Probe for handheld controls and display

■ Comprehensive diagnostics to keep track of system parameters

■ Four SPDT relays rated 2 A at 250 VAC (inductive) 5 A at 250 VAC (resistive) Programmable to energize under 11 different operating conditions

Technical Data:

Dimensions:	15.5" W x 10.75" H x 4" D (39.5 x 27 x 165 mm)
Weight:	18 lbs. (8.16 Kg)
Measurement:	Non-dispersive infrared (NDIR)
Measurement units:	oz/yr, g/yr, mL/s, PaM3/s, ppm
Measurement Range:	0.01 to 5.00 oz/yr, 0.85 to 142 g/yr, 0 to 1,000 ppm 0.08 x 10–5 to 100 x 10–5 PaM3/s, 0.08 x 10–5 to 100 x 10–5 mL/s
Sensitivity:	0.03 oz/yr (0.9 g/yr)
Response time:	<1 second, depending on probe hose length
Temperature Drift:	±0.3% of reading per °C
Power:	100-240VAC @ 50/60Hz, optional battery operation available
Alarm:	Programmable audible (buzzer) and visual (LED) alarms
Display range:	0-5000 PPMv
Accuracy:	±1%
Warm-up time:	60 seconds
Operating temp:	32°F to 122°F (0° to 50°C)
Approvals:	CE Mark • EN 50270:2006 • EN 55011:2009 /A1:2010 • EN 61010-1 • IEC 61010-1 • UL 61010-1:2001 / CSA 61010-1