

LAS 10

Oil Mist Detector



OVERVIEW

The main purpose of the LAS -10 is to safeguard open engine rooms or hydraulic rooms in a simple, quick, and very effective way. This is done by flowing large amounts of air ($600\text{m}^3 = 21,000\text{ft}^3/\text{Hour}$) through the detector and analyzing it for hydrocarbons in gasses, droplets, or mist. By utilizing dual measurement technology both oil mist & gas odours are detected before they can become a fire with devastating consequences! The LAS-10 provides 24/7 surveillance and is a high-quality product that is easy to maintain.

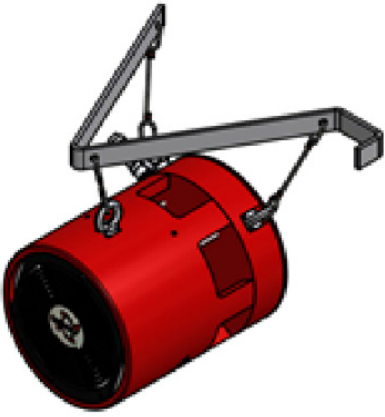
FEATURES

- Easy installation – detect to protect
- Individual Alarm Levels of 1-50% of LEL (Lower Explosion Level)
- Detects oil mist vapours
- Detects invisible and odourless gasses
- Easy maintenance
- No false alarms
- Operates regardless on light
- Detection not affected by human interference

LAS 10 SPECIFICATIONS

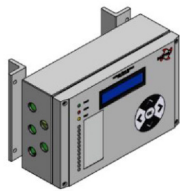
LAS 10 Oil Mist Detector

Detection Range	>0.002 mg/l
Airflow	Up to 600 m3/h
Reaction Time	5-10 sec. (depending on preset alarm limit)
Gas Detection	Hydrocarbons
Material, enclosure	Anodized aluminum
Weight	4.9 kg
Dimensions	Ø 190 x 235 mm
Power Supply	30-48 V DC
Power Consumption	1.0 W
Operating Temperature	-25°C to +70°C
Operating Humidity	0-95% RH
Enclosure Rating	IP44



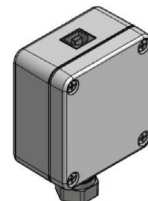
Control Unit

Number of Interfaces	Max 12 LAS-10 Detectors
Material, Enclosure	Aluminum
Weight	2.30 kg
Dimensions	240 x 184 x 81 mm
Power Supply	48.0 V DC
Power Consumption	< 15.0 W
Operating Temperature	-20°C - 60°C
Operating Humidity	0-95% RH
Enclosure Rating	IP66



USB Interface

Number of Interfaces	Max 1 Control unit
Material, Enclosure	Aluminum
Weight	0.15 kg
Dimensions	58 x 89 x 34 mm
Power Supply	From Monitor through USB A/B Cable
Power Consumption	< 5.0 W
Operating Temperature	-20°C - 50°C
Operating Humidity	95% RH
Enclosure Rating	IP66



Monitor

Display Size	12" (4:3)	17" (5:4)
Weight	2.9 kg	5.15 kg
Dimensions	343 x 269 x 33 mm	442 x 354 x 58 mm
Power Consumption	16 W	20W
Material, Enclosure	Steel	
Number of Interfaces	Max 8 USB interfaces	
Power Supply	12.0 V DC	
Operating Temperature	0°C / 32°F to 50°C / 122°F	
Operating Humidity	0 - 95% RH	
Enclosure Rating	IP20	
Operation System Support	Window 7	
DASPOS Software	Sniff-tec, 'Coordinate Picker'	



Power Supply Unit

Capacity	1000 W	3000 W
Number of Interfaces	Max 1 Control Unit	Max 3 Control Units
Weight	8.2 kg	10.0 kg
Material, Enclosure	Steel	
Dimensions	300 x 423 x 157 mm	
Power Supply Input / Output	110-230 V AC / 48 V DC	
Power Consumption	= 7-9 % of load W	
Operating Temperature	-20°C/-4°F to 50°C / 122°F	
Operating Humidity	0-95% RH	
Enclosure Rating	IP23	

