H-18
Hot Box Detector

OVERVIEW

The Hot-Box Detector H-18 is designed for installation in engine hot boxes, with a quick release adaptor. It is designed for smaller compartments to detect risks caused by leakages at the earliest possible state of detection. The detector is easy to install, it is not affected by unintended human interference and it does not require light in order to operate.

The H-18 sensor can operate in areas with temperatures reaching up to 200°C / 392°F. The Hot-Box Detector H-18 electronics sample and analyze the air looking for hydrocarbon leaks. If it detects any increased level of hydrocarbon, in the form of gas or mist, the Hot-Box Detector H-18 sends an early warning signal to the crew about the increasing danger. The Hot-Box Detector H-18 can be installed as a stand-alone system or in combination with the LAS-10 system.

FEATURES

- **Easy installation**
- **Detects invisible and odorless gases**
- **Scalable solution / integration with LAS-10**
- **No false alarms**
- **Operates in high ambient temperatures**
- **Does not require light to operate**
- **Is not affected by human interference**
- **No impact on access to engine maintenance**
- **Mounted on a quick release adaptor ring**

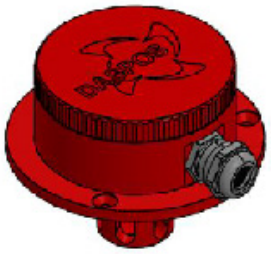
NAG Marine
2511 Walmer Avenue
Norfolk, VA 23513
USA

Toll Free +1 800-830-5186
Phone +1 757-852-3998
Email sales@nagmarine.com

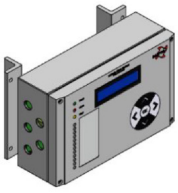
www.nagmarine.com

H-18 SPECIFICATIONS

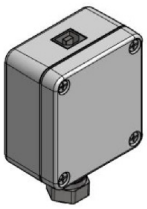
Hot Box Detector H - 18	
Detection Range	>0.002 mg/l
Airflow	None
Reaction Time	5-10 sec. (depending on preset alarm limit)
Gas Detection	Hydrocarbons
Material, enclosure	Anodized aluminum
Weight	0.453 kg
Dimensions	Ø 80.0 x 40.0 mm / Ø 30.0 x 40.0 mm
Power Supply	12 - 48 V DC
Power Consumption	1.0 W
Operating Temperature	-25°C / -13°F to 200°C / 392°F
Operating Humidity	0-95% RH
Enclosure Rating	IP64



Control Unit	
Number of Interfaces	Max 24 Hot-Box Detector H-18
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 / -4°F to 60°C / 140°F
Operating Humidity	0-95% RH
Enclosure Rating	IP66

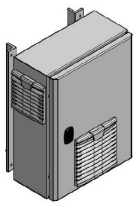


USB Interface	
Number of Interfaces	Max 1 Control unit
Material, Enclosure	Aluminum
Weight	0.15 kg
Dimensions	58 x 89 x 34 mm
Power Supply	From Monitor through USB A/B Cable
Power Consumption	< 5.0 W
Operating Temperature	-20°C - 50°C
Operating Humidity	95% RH
Enclosure Rating	IP66



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	



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