

SPECSVISION-5X

Crank Case Oil Mist Detection System

Intrinsic safety "i", Inherently safe optical radiation "op is"
Ex ia op is IIB T4 Ga or Ex ib op is IIB T4 Gb



SPECSVISION-5X

CONFIGURATION



SYSTEM FEATURES

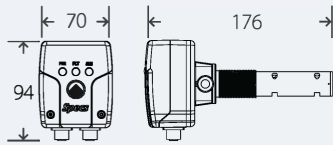
- Designed and manufactured for supporting the engine using Gas as fuel
- Newest version based on recent IACS effectiveness verified based on M67 rules
- Superior accuracy verified
- Instantaneous response to alarm
- RS-485 / 422 to Ship's alarm monitoring system
- Multi- functional monitoring unit
- Most compact/rigid design
- Light scattering measurement
- Less contaminated sensor design
- No moving parts
- Robust anti-vibration assembly
- Access OMD system from anywhere around the world securely
- IECEx Certificate of Conformity

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Crank Case

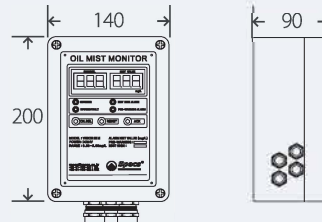
Oil Mist Detection System

TECHNICAL SPECIFICATIONS



FRONT VIEW

SIDE VIEW



FRONT VIEW

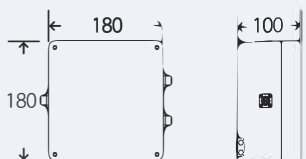
SIDE VIEW

Oil Mist Detector

Type	VISION 5X (Intrinsic Safety)
Sensitivity	0.01 mg/ℓ
Communication Between RMU & Detector	RS-485
Indication	Green : Power ON Yellow : System Fault Red : Mist Alarm
5- Way Plug in Connector	Power: 1, 2 pin Signal: 3, 4 pin Shield: 5 pin
Mounting	3/4" PF
Enclosure Rating	IP 56
Power	12VDC (Intrinsically Safety Power Supply)
Temp. Rating(Operation)	0°C to 70°C
Dimensions	H 94 x W 70 x D 176 mm
Weight	0.3 kg
Housing	PPA +GF 30%, Halogen free

Oil Mist Monitor

Type	VISION III M
Display	3 LED's for alarm indications 6 digits FND for alarm and mist information
Scanning Time	50 msec for each point
Max. No. of Detector	14 points
Measuring Range	0~5.00 mg/ℓ
Comm. Signal Output	RS-485 (MODBUS)
Alarm & Failure Status Mist Alarm	
Mist high alarm	Red LED ON
Pre-warning alarm	Red LED ON
System fault alarm	Yellow LED ON
Alarm Setting	Mist High Alarm (Max. 2.5 mg/ℓ) Pre-warning alarm : 80% of 'Mist High'
Alarm Contacts	Mist High : N.O Pre-warning alarm : N.C N.O/N.C selectable 1 SPDT, 0.6A/125VAC, 2A/30VDC
Enclosure Rating	IP 56
Power	24 VDC
Over voltage protection	+30 % -20 % of voltage rating(24VDC)
Current rating	0.5A
Temp. Rating	0°C to 70°C
Dimensions	H 200 x W 140 x D 90 mm
Weight	2.2 kg
Housing	Aluminum (DIN EN 1706 EN AC-AISI 12(Fe))



FRONT VIEW

SIDE VIEW

IS Barrier J/B

Type	VISION IS (Intrinsically Safe Power Supply & RS485 Isolating Repeater)
Installation	Zone 2 & Division 2 mountable
Power Input	24VDC
Power Output	480mA @ 12.0VDC - Ex ia IIB
Temp. Rating(Operation)	-40°C to 70°C
Dimensions	H 180 x W 180 x D 100 mm
Weight	2.5 kg
Housing	Aluminum (DIN EN 1706 EN AC-AISI 12(Fe))