

SPECSVISION-5C

Diesel Engine Crank Case Oil Mist Detection System



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CONFIGURATION



SYSTEM FEATURES

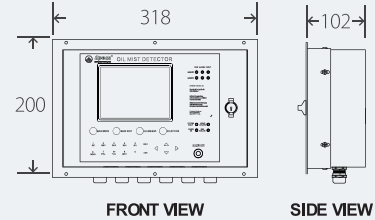
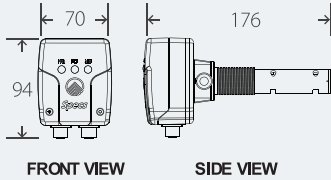
- Newest version based on recent IACS effectiveness verified based on M67 rules
- Superior accuracy verified
- Instantaneous response to alarm
- RS-485 / 422 to Ship's alarm monitoring system
- Multi- functional remote monitoring unit
- Most compact/rigid design
- Light scattering measurement
- Less contaminated sensor design
- No moving parts
- Robust anti-vibration assembly
- Access OMD system from anywhere around the world securely



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TECHNICAL SPECIFICATIONS

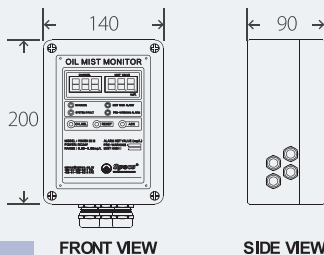


Oil Mist Detector

Type	VISION 5C
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	24 VDC
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

Remote Monitoring Unit (RMU)

Type	VISION IIIIR
Display	6" Monochrome LCD(340 x 240) Mist-Level Display Mode (Bar & Digital Value)
Scanning Time	50 msec for each point
Max. No. of Group	8 Groups (14pts per group)
Max. No. of Detector	112 points
Measuring Range	0~5.00 mg/ℓ
Communication Signal Output	RS-485(protocol : MODBUS Dual)
Memory	
Event log	3000 Data
History log	Every 10 sec up to 12hrs
Alarm & Failure Status	
Mist Alarm	
Mist high alarm	RMU-Red LED ON(Alarm Indicator Panel)
Pre-warning alarm	Alarm Channel Displayed on LCD
System fault alarm	RMU-Yellow LED ON (Fan / Communication Alarm Indicator Panel) and Failed Channel Displayed on LCD
Alarm Setting	Mist High Alarm(Max. 2.5 mg/ℓ) Pre-warning alarm : User adjustable
Alarm Contacts	Mist High : N.O(8 ea) Pre-warning alarm : N.C(8 ea) N.O/N.C selectable 125 VAC 0.5 A, 30 VDC 1.0 A, 1a1b
Enclosure Rating	IP 44
Power	24 VDC
Current rating	1.5 A
Over voltage protection	+30 % -20 % of voltage rating(24 VDC)
Temp. Rating	0°C to 70°C
Dimensions	
Wall Mounting	H 200 x W 318 x D 102 mm
Flush Mounting	H 237 x W 353 x D 102 mm
Weight	6.0 kg
Housing	Carbon Steel



Oil Mist Monitor

Type	VISION IIIIM
Max. No. of Detector Input	14 Loop Connection
Enclosure Rating	IP 56
Temp. Rating(Operation)	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))