

SPECSVISION-III

Diesel Engine Crank Case Oil Mist Detection System



SPECSVISION-III

CONFIGURATION



SYSTEM FEATURES

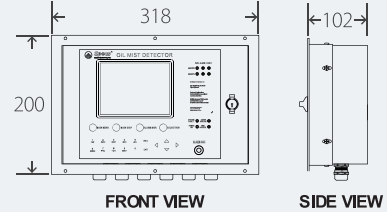
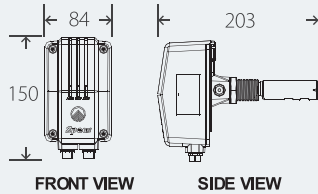
- Newest version based on recent IACS effectiveness verified based on M67 rules
- Superior accuracy verified
- Most rigid assembly
- Instantaneous response to alarm
- RS-485 / 422 to Ship's alarm monitoring system
- Less contaminated sensor design
- Highly integrated single board design
- Robust anti-vibration assembly
- Multi- functional remote monitoring unit
- Proven test and calibration chamber
- Access OMD system from anywhere around the world securely



SPECSVISION-III C

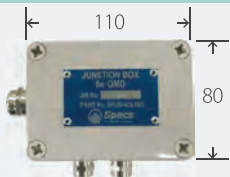
Diesel Engine Crank Case Oil Mist Detection System

TECHNICAL SPECIFICATIONS



Oil Mist Detector

Type	VISION III C
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 150 x W 84 x D 203 mm
Weight	0.6 kg
Housing	PPA +GF 30%, Halogen free



Junction Box

Type	VISION III C
Max. No. of Detector Input	14 Loop Connection
Enclosure Rating	IP 56
Temp. Rating	0°C to 70°C
Dimensions	H 80 x W 110 x D 70 mm
Weight	0.35 kg
Housing	PC + ABS

Remote Monitoring Unit (RMU)

Type	VISION III R
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 History log	3000 Data 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 Current rating Over voltage protection	24 VDC 1.5 A +30% -20% of voltage rating (24 VDC)
Temp. Rating	0°C to 70°C
Dimensions Wall Mounting Flush Mounting	H 200 x W 318 x D 102 mm H 237 x W 353 x D 102 mm
Weight	6.0 kg
Housing	Carbon Steel