

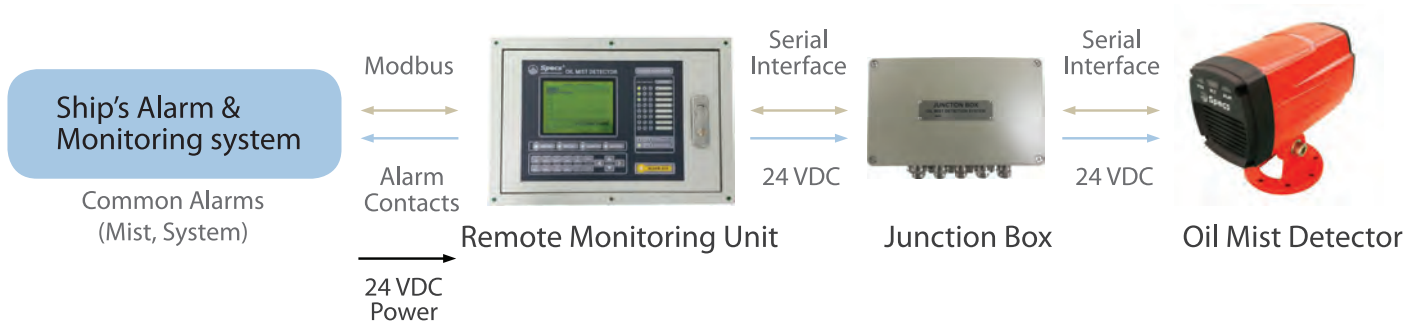
SPECSVISION-III A

Engine Room Oil Mist Detection System



SPECSVISION-III A

CONFIGURATION



SYSTEM FEATURES

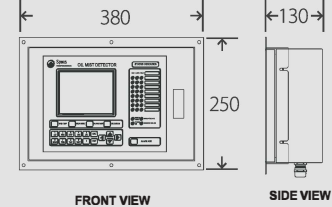
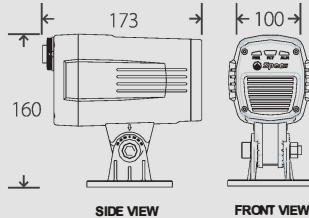
- Newest version based on recent IACS effectiveness verified based on M67 rules
- Superior accuracy verified
- Most rigid assembly
- Instantaneous response to alarm
- RS-485 / 422 to Ship's alarm monitoring system
- Less contaminated sensor design
- Highly integrated single board design
- Robust anti-vibration assembly
- Multi- functional remote monitoring unit
- Proven test and calibration chamber
- MIL STD-167, MIL-S-901D
- Access OMD system from anywhere around the world securely



SPECSVISION- IIIA

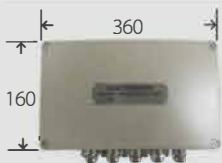
Engine Room Oil Mist Detection System

TECHNICAL SPECIFICATIONS



Oil Mist Detector

Type	VISION IIIA Multi Sensor
Sensitivity	0.01 mg/ℓ
Communication Between RMU & Detector	RS-485 or 4~20 mA at range of 0~5.0 mg/ℓ
Indication	Green : Power ON Yellow : System Fault Red : Mist Alarm
5- Way Plug in Connector or Cable gland	Power : 1, 2 pin Signal : 3, 4 pin Shield : 5 pin
Mounting	Standard Stand or Bracket
Enclosure Rating	IP 44
Power	24 VDC
Temp. Rating(Operation)	0°C to 70°C
Dimensions	H 160 x W 100 x D 173 mm
Weight	1.4 kg
Housing	PPA +GF 30%, Halogen free, Aluminum Body



Junction Box

Type	VISION IIIA
Max. No. of Detector Input	14, Individual Connection
Enclosure Rating	IP 56
Temp. Rating	0°C to 70°C
Dimensions	H 160 x W 360 x D 90 mm
Weight	3.5 kg
Housing	Aluminum

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	3000 Data
History log	Every 10 sec, up to 12 hrs
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)
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(24VDC)
Temp. Rating	0°C to 70°C
Dimensions	
Wall Mounting	H 250 x W 380 x D 130 mm
Flush Mounting	H 290 x W 420 x D 130 mm
Weight	7.5 kg
Housing	Carbon Steel