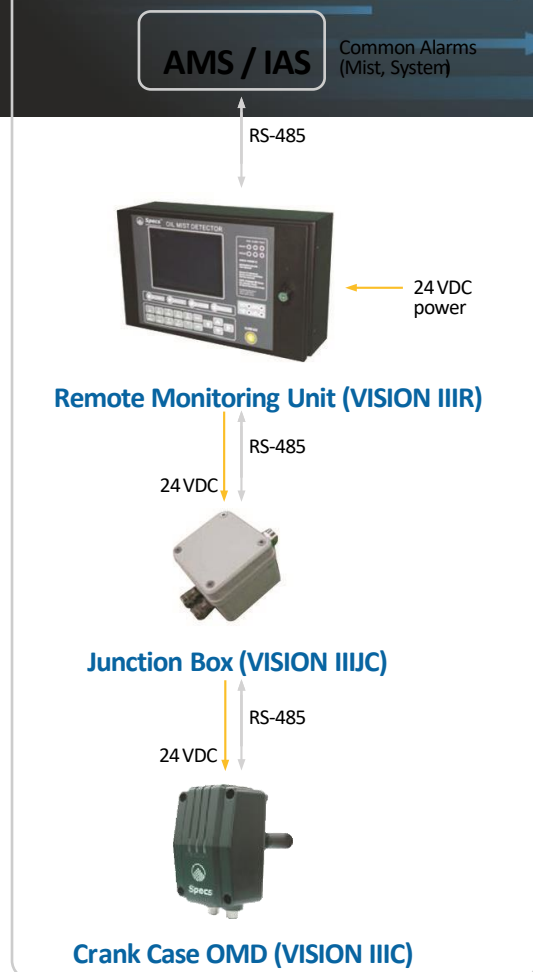


# SPECS VISION-COMD

## Diesel Engine Crank Case Oil Mist Detection System

### Diesel Engine Crank Case OMD System

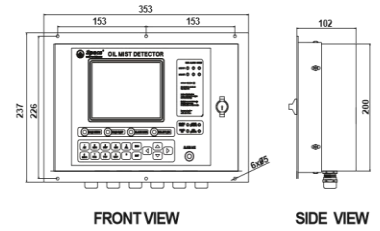
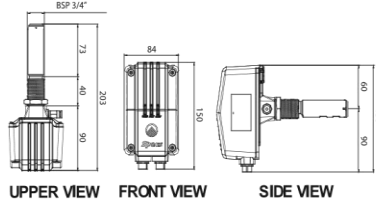


### SYSTEM FEATURES

- Newest version based on recent IACS
- Effectiveness verified based on M67 rules
- Superior accuracy verified
- Most rigid construction
- Instantaneous response to alarm
- RS-485 / 422 to IAS
- Less contaminated sensor design
- Highly integrated single board design
- Robust anti-vibration construction
- Multi- functional remote monitoring unit
- Proven test and calibration chamber



# TECHNICAL SPECIFICATIONS



Detector Unit	
Type	VISION IIIIC
Sensitivity	0.01 mg/ℓ
Communication	RS-485
Between RMU & Detector	
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" BSP
Enclosure Rating	IP 56
Power	24 VDC
Temp. Rating(Operation)	0 °Cto 70 °C
Dimensions	H 150 x W 84 x D 203 mm
Weight	0.5 kg
Housing	PPA +GF 30%, Halogen free
Junction Box	
Type	VISION IIIJA
Max. No. of Detector Inpu	t 14 Serial (Loop) Connection
Enclosure Rating	IP 56
Temp. Rating	0 °Cto 70 °C
Dimensions	H 75 x W 90 x D 45 mm
Weight	0.35 kg
Housing	PPA Plastic

Remote Monitoring Unit (RMU)	
Type	VISION IIIIR
Display	6" Monochrome LCD (340 x 280) Mist- Level Display Mode (Bar & Digital Value)
Scanning Time	50 msec for each point
Max. No. of Group	8 Engine Groups
Measuring Range	0~5.00 mg/ℓ
Communication Signal	RS-485 (protocol; MODBUS)
Input	RS-485 (protocol; MODBUS Dual)
Output	
Memory	3000 Data
Event log	10 sec x 12 hrs
History log	
Alarm & Failure Status	RMU- Red LED ON (Alarm Indicator Panel) Mist Alarm Alarm Channel Displayed on LCD
Mist high alarm	RMU- Yellow LED ON
Pre-warning alarm	(Fan/Communication Alarm Indicator Panel and Failed Channel Displayed on LCD
System fault alarm	Mist High Alarm (Max. 2.5 mg/ℓ)
Alarm Setting	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
Fuse rating	2.0 A
Over voltage protection	+30 % -20 % of voltage rating (24 VDC)
Temp. Rating	0 °C to 70 °C
Dimensions	H 200 x W 318 x D 102 mm Wall Flush H 237 x W 353 x D 102 mm
Weight	6.0 kg Gross
Housing	Carbon Steel