SPECS VISION-COMD

Diesel Engine Crank Case
Oil Mist Detection System

Diesel Engine Crank Case OMD System

AMS / IAS — Common Alarms (Mist, System)

RS-485

24 VDC power

Remote Monitoring Unit (VISION IIIR)

RS-485

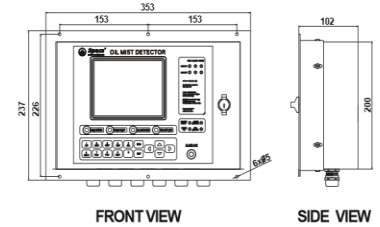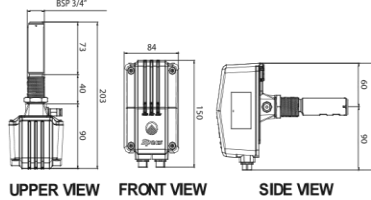24 VDC

Junction Box (VISION IIIJC)

RS-485

24 VDC

Crank Case OMD (VISION IIIC)

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

CE IPC ABS DNV BV KR Lloyd's Register NK

MAN WÄRTSILÄ HYUNDAI HEAVY INDUSTRIES CO.,LTD. DOOSAN stx

TECHNICAL SPECIFICATIONS

UPPER VIEW   FRONT VIEW   SIDE VIEW

FRONT VIEW   SIDE VIEW

Detector Unit	
Type	VISION IIIC
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" BSP
Enclosure Rating	IP 56
Power	24 VDC
Temp. Rating(Operation)	0 ℃to 70 ℃
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 Input	14 Serial (Loop) Connection
Enclosure Rating	IP 56
Temp. Rating	0 ℃to 70 ℃
Dimensions	H 75 x W 90 x D 45 mm
Weight	0.35 kg
Housing	PPA Plastic

Remote Monitoring Unit (RMU)	
Type	VISION IIIR
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 ℃ to 70 ℃
Dimensions	H 200 x W 318 x D 102 mm
Wall	H 237 x W 353 x D 102 mm
Flush	
Weight	6.0 kg Gross
Housing	Carbon Steel