

**AN ISO 9001:2015 COMPANY** 

## **Clean Room Monitoring System**







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Andheri, Mumbai India





	CLEAN ROOM DIFFERENTIAL PRESSURE MONITOR	CLEAN ROOM TEMP. & RH MONITOR (INTEGRATED SENSOR)	CLEAN ROOM TEMP. & RH MONITOR (REAR SENSOR)
Model No.:	CRM-111-1	CRM-212-I	CRM-212-R
Product Applications	SOURCE STATE OF STATE	CEAN MODIFICATION OF THE PARTY	COLOR MONE INDECED COLOR
• Sensor	Built in Differential Pressure sensor with Brass Hose Nozzels (Chrome Plated) for +Ve Pressure connection & -Ve Pressure connection	Integrated Humidity and Temperature Sensor	Remote Humidity and Temperature Sensor
Range & Resolution			
	Sr. No.         Range         Resolution           DP 1.         (-100 to 100) mmWC,         0.1           DP 2.         (-10 to 10) cmWC,         0.1           DP 3.         (-7.5 to 7.5) mmHG,         0.1           DP 4.         (-1000 to 1000) Pascal,         1           DP 5.         (-10 to 10) Hectopascal,         0.1	Temperature: -20.0°C to 60°C, 0.1 Resolution  Humidity: 0% to 100% RH, 0.1 Resolution	
Output	2 Nos. SPDT or 1 No. DPDT relay		
• Relay	of rating '2A/24VDC' Potential free contacts (NO-C-NC)		
Current Output	1 No. 4-20mA output with 680E load capacity,		
Accuracy of current output	0.125% FS.		
Accuracy	Differential Pressure: ±1% of FS		
• Temperature		± 1°C	± 0.5 °C
• Humidity Indication	4 digit Seven Segment 0.4" Red L.E.D.	± 3 % RH	± 2 % RH
	display for Differential	orential 2 line 4 digit Seven Segment 0.4" Red L.E.D. display for Temperature &	
• Display	Pressure indication	Humidity indication	
Status Indication	2 L.E.D.s 'AL1 and AL2' for for Alarms &'COM' L.E.D. for communication	2 L.E.D.S for Alarms	
Audio Indication	Integrated buzzer for Alarm limits violation of any of the 2 parameters, Temperature & Humidity		
Communication • RS-485 Slave		Isolated RS-485 communic	ation with Modbus RTU Protocol
• RS-485 Slave • Programmable Settings		Raud rate 9600 hns Parity (	D/E/N), Data bits (8), Stop bits(1/2)
• No. of salve ID		<u> </u>	1-250
Minimum Polling interval			nilliseconds
Programmable Parameters	2 Nos. Al 1. Al 2 Hear Programmable		Programmable as per input selection
• Set point	2 Nos. AL1, AL2 User Programmable		
Programming of parameters		<u> </u>	keys (with password protection)
Alarm logic		High or Low, (	user programmable
• Sampling interval			
• Offset			
• Operating Ambient Temperature		0	to 50°C
• Relative Humidity	Below 95% RH, Non condensing.		H, Non condensing.
Electrical			DC ± 10%
Supply voltage     Power consumption	18 to 36VDC, Typically 24VDC Less than 1.2 watt at 24VDC		
Battery Up	Less than 1.2 Watt at 24VDC	Less than 1	.2 watt at 24VDC
Dimensions			
Flush mounting plate	SS-304		
Front plate size	90 mm (H) x 110 mm (W)		
Back enclosure	MS with powder coated		
Overall size	90 mm (H) x 110 mm (W) x 43 mm (D)		
Mounting	Modular wall mounting with Stainless Steel Front		



iemperature, numicity & Differential Pressure				
CLEAN ROOM PROCESS MONITOR	CLEAN ROOM TEMP./ HUMIDITY/DP MONITOR (INTEGRATED SENSOR)	CLEAN ROOM TEMP./ HUMIDITY/DP MONITOR (REAR SENSOR)	CLEAN ROOM BATTERY OPERATED TEMP./RH INDICATOR -LCD	
CRM-485-12	CRM-313-I	CRM-313-R	CRM-142-I	
CLAN KON POCCES SACRING  CONTROL OF THE CONTROL OF	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	500 205 205 205 205 205 205 205 205 205	20.5 × 50.3 × 50	
Integrated / Remote Humidity and Temperature.	Temp.& RH Sensor : Integrated Differential Pressure Sensor : Integrated Differential Pressure sensor with Brass Hose Nozzles (Chrome Plated) for +Ve & -Ve Pressure connection	Temp. & RH Sensor: Remote, sensor with cable length less than 10 meter available Differential Pressure Sensor: Integrated Differential Pressure sensor with Brass Hose Nozzles (Chrome Plated) for +Ve & -Ve Pressure connection	Integrated Temperature and Humidity	
Temperature: -40.0 °C to 100 °C, User programmable, 0.1 Resolution Humidity: 0% to 100 % RH, User programmable, 0.1 Resolution	Humidity: 0% to 100% RH, Display resolution:  0.1 for Temperature and RH Note: Other Differential Pressure Range/Unit, Available on request,	fferential Pressure           r. No.         Range         Resolution           P 1         (-100 to 100) mmWC,         0.1           P 2         (-10 to 10) cmWC,         0.1           P 3         (-7.5 to 7.5) mmHG,         0.1           P 4         (-1000 to 1000) Pascal,         1           P 5         (-10 to 10) Hectopascal,         0.1	Temperature: -20.0°C to 70°C, 0.1 Resolution  Humidity: 0% to 100% RH, 0.1 Resolution	
2 No, 2A/24VDC for Temperature/RH User programmable				
	Differential Pressure: ± 1% of F.S.	Differential Pressure: ± 1 % of F. S.		
± 0.5% F	± 1°C	± 0.5 °C	± 1°C	
± 2 % RH	± 3 % RH	± 2 % RH	± 3 % RH	
2 line 4 digit Seven Segment 0.4" Red L.E.D. display for Temperature &Humidity indication			2 Line 4 digit segmental L.C.D display for Temperature / Humidity indication	
2 L.E.D.s for Alarms	3 L.E.D.s for Alarms, o	ne for each parameter	Two LEDs for Alarm of Temp. & RH & one LED for Low battery indication.	
Integrated Buzzer for Alarm violation of any of the 2 parameters, Temp. & RH	Integrated Buzzer for Alarm limits violation of any of the 3 parameters		Integrated Buzzer for alarms set points violation.	
	Isolated RS-485 communication	on with Modbus RTU Protocol		
	Baud rate 9600 bps, Parity (O/E	E/N), Data bits (8), Stop bits(1/2)		
		250		
	500 milli	iseconds		
	Programmable as	per input selection		
3 Nos. p	ı ush button front keys (with password pro	otection)	3 Nos. push button front keys (with password protection)	
	High or Low, user programmable		Two Alarm AL1 & AL2 for Temp.& RH each, user programmable	
			3 to 20 Seconds, User programmable	
			±10% range of Temp. & Humidity	
Below 95% RH, Non condensing.				
24VDC ± 10%			3.7 VDC Lithium Polymer rechargeable battery	
	Less than 1.2 watt at 24VDC		Upto 1 Year with 3 seconds sampling interval	
	The control of the			
90 mm (H) x 110 mm (W)				
MS with powder coated				
1013 With powder Coated				

90 mm (H) x 110 mm (W) x 43 mm (D)

Modular wall mounting with Stainless Steel Front



iomporature, maintaity	& Differential Flessure	<u> </u>	AMBETRUNICS
	CLEAN ROOM BATTERY OPERATED TEMP./RH INDICATOR-LCD	CLEAN ROOM HOOTER CUM FLASHER	CLEAN ROOM DIFFERENTIAL PRESSURE MONITOR
Model No.:	CRM-142-R	CRM-HTR	CRM-131-1
Product Applications	CONTINUED CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CON		CLAN ROOM OFFERENTIAL TO PRESSURE MONTHS.
Input			Built in differential pressure sensor with Brass Hose Nozzels (Chrome
• Sensor	Extended Temperature and Humidity		Plated) for +Ve Pressure connection & -Ve Pressure connection
Range & Resolution			Sr. No.         Range         Resolution           DP1         (-100 to 100) mmWC,         0.1
Temperature	-20.0°C to 70°C, 0.1 Resolution		DP2 (-10 to 10) cmWC, 0.1
Humidity	0% to 100% RH, 0.1 Resolution		DP3 (-7.5 to 7.5) mmHG, 0.1  DP4 (-1000 to 1000) Pascal, 1
Display Resolution			DP5 (-10 to 10) Hectopascal, 0.1
Output			2 Nos. DPDT relay of rating
• Relay			2A/24VDC′
Accuracy			Differential Pressure : ± 1% F. S.
Temperature	± 0.5°C		
Humidity	± 2 % RH		
Indication	2 Line 4 digit segmental L.C.D display	Flasher : Red Colour	4 digit Seven Segment 1" Red L.E.D.
• Display	for Temperature / Humidity indication	Hooter : Noise level 90db	display for Differential Pressure indication
Status Indication	Two LEDs for Alarm of Temp. & RH & one LED for Low battery indication. Alarm indication '▲' on display for AL1 & AL2 common both for Temperature & Humidity		2 L.E.D.s 'AL1 and AL2' for for Alarms and 'COM' L.E.D. for communication
Audio Indication	Integrated Buzzer for alarms set points violation.		Integrated buzzer for Alarm limits violation
Communication			Isolated RS-485 communication
• RS-485 Slave			withModbus RTU Protocol
Programmable Settings			Baud rate (9600 bps), Parity (O/E/N), Data bits (8), Stop bits(1/2)
No. of salve ID     Minimum Polling interval			1-250 200 milliseconds
Programmable Parameters			
Set point			2 Nos. AL1, AL2 User Programmable
Programming of parameters	3 Nos. push button front keys (with password protection)		3 Nos. push button front keys (with password protection)
Alarm logic	Two Alarm AL1 & AL2 for Temp. & Humidity each, user programmable		High or Low, user programmable
Sampling interval	3 to 20 Seconds, User programmable		
• Offset	±10% range of Temp. & Humidity		
• Operating Ambient Temperature	0 to 50°C	Operating Temp. : 0 to 50°C	0 to 50°C
Relative Humidity	Below 95% RH, Non condensing.	Humidity : Below 90% RH, Non condensing.	Below 95% RH, Non condensing.
Electrical	3.7 VDC Lithium Polymer	Supply voltage : 24VDC ± 10%	_
• Supply voltage	rechargeable battery	Power consumption: Less than 1.5	18 to 36VDC, Typically 24VDC
Power consumption     Battery Up	Upto 1 Year with 3 seconds	watt at 24VDC	Less than 1.2 watt at 24VDC
Dimensions	sampling interval		
• Flush mounting plate	SS-	304	Aluminium SS-304
• Front plate size	90 mm (H) x 110 mm (W)		185 mm(H) x 200 mm(W)
Back enclosure	MS with powder coated		MS with powder coated
Overall size	90 mm (H) x 110 mm (W) x 43 mm (D)		185mm(H) x200 mm (W) x 50 mm(D)
• Mounting		mounting with Steel Front	Modular wall mounting with SS or Aluminium front



iemperature, mumu	ity & Differential i lessure		AVIBETRUNICS	
CLEAN ROOM TEMP./ RH MONITOR (INTEGRATED SENSOR)	CLEAN ROOM TEMP./ RHMONITOR (REAR SENSOR)	CLEAN ROOM PROCESS MONITOR-1"-1PV	CLEAN ROOM PROCESS MONITOR-1"-2 PV	
CRM-232-I	CRM-232-R	CRM-485-31	CRM-485-32	
© A NUMETRONICS CHE 221 €	CAM FROM TEMP, AUMIST MONTON  20.5 5 50.3 5	CLEAN ROOM PROCESS MONITOR 3*	CLAN ROOM PROCESS MONTON:	
Integrated Humidity & Temperature Sensor	Remote Humidity & Temp. Sensor Remote sensor with cable, Length available less than 10 meters.	Integrated Differential Pressure	2 Nos. Slave device with Modbus-RTU protocol Slave Port: 2 Nos. Slave device having 1 P. V. OR 1 No. Slave device having 2 P. V.	
-20°C to 60°C	-20°C to 60°C	Sr. No.         Range         Resolution           1.         (-100 to 100) mmWC,         0.1	Range : User settable within	
0% to100% RH	0% to100% RH	2. (-10 to 10) cmWC, 0.1 3. (-7.5 to 7.5) mmHG, 0.1	4 digits (-999 to 9999)	
0.1 for Temperature and RH	0.1 for Temperature and Humidity	4. (-1000 to 1000) Pascal, 1	<b>Resolution</b> : 1, 0.1, 0.01, 0.001	
2Nos. SPDT relay of rating '2A/120VDC', '2A/24VDC' with potential free contacts (NO-C-NC)	2Nos. SPDT relays of rating 2A/120VDC, 2A/24VDC with potential free contacts (NO-C-NC)	5. (-10 to 10) Hectopascal, 0.1  NOTE : Other Differential Pressure Range/ Unit, Available on request, Contact factory.	2 Nos. DPDT Relay or Rating 2A/24VDC, User selectable.	
±1°C	±0.5℃	Differential Pressure : ± 1 % of FS		
±3% RH	± 2% RH			
Upper 4 digit Seven segments 1" RED L.E.D display		4 digit Seven Segment 0.4" Red LED display for Differential Pressure Indication	2x4 digit Seven Segment 1" Red LED display	
2 L.E.D.s for Alarms Indication for Temperature and Humidity TX, RX, L.E.D.s for communication	2 L.E.D.s for Alarms indication for Temperature and Humidity' TX, RX, L.E.D.s for communication	2 LEDs for AlarmsIntegrated Buzzer for process violation of Alarm limits; 'COM' LED for communication	2 LEDs AL1 And AL2 for Alarms and COM LED for communication	
Integrated Buzzer for Alarm limits violation common for Temp. & RH parameters.	Integrated Buzzer for Alarm limits violation. Communication for Temp. & Humidity parameters.		Integrated Buzzer for Alarm Limits violation	
Isolated RS-485 communication with Modbus RTU Protocol				
	Baud rate (9600 bps), Parity (O/I	· · · · · · · · · · · · · · · · · · ·		
200 milli	1-2 iseconds	250		
	per input selection	2 Nos. AL1, AL	2 User Programmable	
	3 Nos. push button front key	s (with password protection)		
	High or Low, use	r programmable		
	0 to	50°C		
	Below 95% RH, Non condensing.			
24VDC ±		± 10%	18 VDC tp 36 VDC, Typically 24VDC	
Less than 1.2 watt at 24VDC				
			Wattage: Less than 1.2 watt at 24VDC	
	Aluminiu			
	185 mm(H) x MS with pov			
	185mm(H) x200 m			
	Modular wall mounting w			



	<b>AMBETRONICS</b>			
	CLEAN ROOM OXYGEN MONITOR	CLEAN ROOM TOXIC MONITOR	CLEAN ROOM COMBUSTIBLE MONITOR	
Model No.:	CRM-111-2	CRM-111-2	CRM-111-3	
Product Applications	CASA RICH MINITING  11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CLEAR POINT SHAPETER  TO ALL  TO ALL	OLAN BOWN SPECIAL CONTROL OF THE PROPERTY OF T	
• Sensor	Integrated / Remote Oxygen Sensor			
Range & Resolution	0 to 25% V/V, 0.01 Resolution			
Output	2 No	os. SPDT relay or 1 No. DPDT relay of ra	ting '2A/24VDC'	
Relay     Current Output	1No. 4-20mA output with 6	SROE load canacity		
Accuracy of current output	0.125% FS			
Accuracy	0.123 /012	± 2% of Full Scale		
Indication	4 digit Seven Segment 0.4"		4 digit Seven Segment 0.4"	
• Display	Red L.E.D display for Oxygen  Gas indication	4 digit Seven Segment 0.4" Red L.E.D display for Toxic Gas indication	Red L.E.D display for Combustible  Gas indication	
Status Indication	2 L.E.D.s 'AL1 and AL2' for Alarms and 'COM' L.E.D. for communication			
Audio Indication	Integrated Buzzer for Alarm limits violation.			
Communication • RS-485 Slave	Isolated R	S-485 communication with MODBUS RT	U Protocol	
• Programmable Settings	Baud rate (9600 bps), Parity (O/E/N), Data bits (8), Stop bits(1/2)			
• No. of salve ID		1-250		
Minimum Polling interval		200 milliseconds		
Programmable Parameters  • Set point		2 Nos. AL1, AL2 User Programmable		
Programming of parameters	3 Nos. push button front keys (with password protection)			
• Alarm logic		High or Low, user programmable		
Environmental		0 to 50°C		
• Operating Ambient Temperature • Relative Humidity		Below 95% RH, Non condensing.		
Electrical • Supply voltage		18 to 36VDC, Typically 24VDC		
Power consumption		Less than 1.2 watt at 24VDC		
Dimensions				
Flush mounting plate		SS-304		
• Front plate size		90 mm(H) x 110 mm(W)		
Back enclosure	MS with powder coated			
Overall size	90mm(H) x 110 mm (W) x 38mm(D)			
Mounting	Modu	ular wall mounting with Stainless Steel	Front	
			6	

CLEAN ROOM CH₄ (NDIR) MONITOR	CLEAN ROOM CO <sub>2</sub> (NDIR) MONITOR	CLEAN ROOM PROCESS MONITOR	CLEAN ROOM PROCESS MONITOR
CRM-111-4	CRM-111-5	CRM-485-11	CRM-485-12
ALLA Scient Milette  ALL  ALL  ONE  AND SCIENT SCIE	CLAN STOM MONTH.  5.00  NAV  CHANGE CONTRACTOR OF THE STATE CONTRACTOR OF THE	CEAN FOOD PROCESS MONTON  20.90  NOTE: The second s	CLEAN ROOM PROCESS MONITOR  CONTROL OF THE PROCESS MONITOR  CO
NDIR Sensor	NDIR Sensor (Carbon Dioxide Gas)		
GASES         RANGE         UNIT         RES.           Methane (CH₄)         100         % LEL         1           Methane (CH₄)         5         % V/V         0.1           Methane (CH₄)         100         % V/V         1	Sr. GASES RANGE UNIT RES. N10 Carbon Dioxide (CO,) 5000 PPM 1		
2 Nos. SPDT relay or 1 No. DPDT relay of rating '2A/24VDC'			
1No. 4-20mA output with 680E load capacity			
0.125% FS.			
± 10% of Applied Gas or ± 2°	% FS whichever is maximum.		
4 digit Seven Segment	0.4" Red L.E.D display		
2 L.E.D.s 'AL1 and AL2' for Alarms a	nd 'COM' L.E.D. for communication		
Integrated Buzzer Alarm Limits violation			
Isolated RS-485 communication	n with MODBUS RTU Protocol		
Baud rate (9600 bps), Parity (O/E			
1-2! 200 millis			
2 Nos. AL1, AL2 Us			
3 Nos. push button front keys	(with password protection)		
High or Low, user	programmable		
0 to 5	00°C		
Below 95% RH, Non condensing.			
18 to 36VDC, Typically 24VDC			
Less than 1.2 watt at 24VDC			
SS-304		SS-3(	
90 mm(H) x 110 mm(W)		90 mm(H) x 1	
MS with powder coated		MS with powder coated  90mm(H) x 110 mm (W) x 38mm(D)	
90mm(H) x 110 mm (W) x 38mm(D)  Modular wall mounting with Stainless Steel Front		Modular wall mounting w	
		,	7



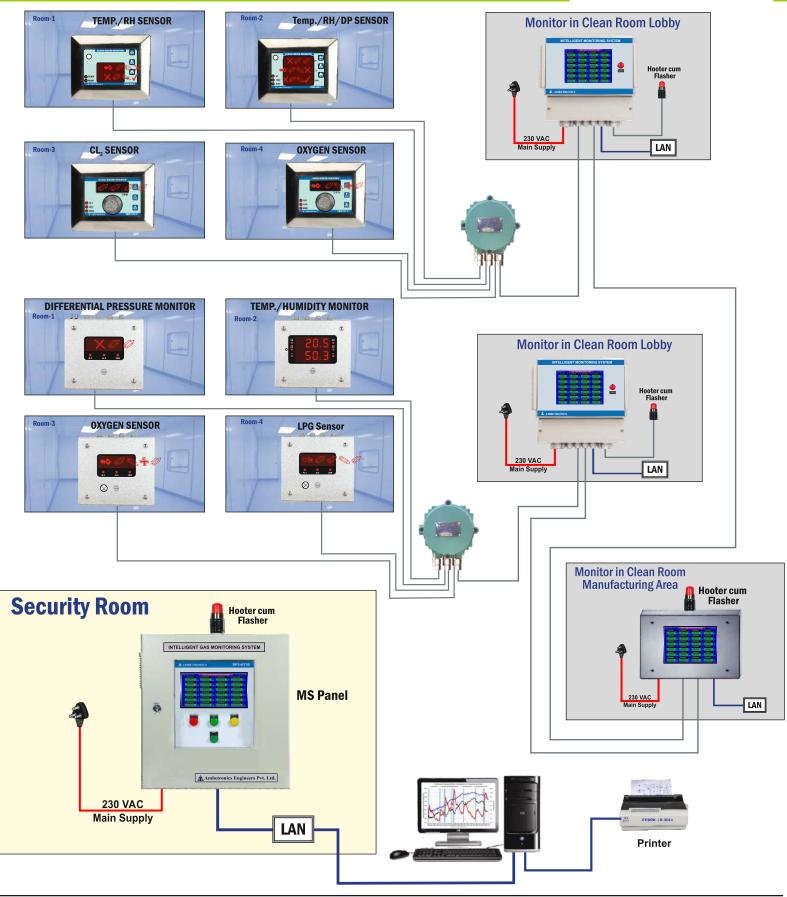
	<b>AMDETRONICS</b>		
	CLEAN ROOM OXYGEN MONITOR	CLEAN ROOM TOXIC MONITOR	CLEAN ROOM COMBUSTIBLE MONITOR
Model No.:  Make IN INDIA  Product Applications	CRM-131-2  CLEAN ROOM MONITOR  ALL ALL COM- ALL ALL COM- ALL ALL COM- ALL ALL COM- A	CRM-131-2  CLEAN ROOM MONITOR  PPM  A1 A2 OF  A AMERITORICS  GORDO D	CRM-131-3  CLEAN ROOM MONITOR  SLEL  A3
Sensor Technology	Integrated / Extended Oxygen Sensor, Electrochemical	Electrochemical	Catalytic / Pellistor
Range & Resolution	0 to 25% V/V, 0.01 Resolution		
Accuracy		± 2% of Full Scale	
Indication  Display	4 digit Seven Segment 1" Red L.E.D display for Oxygen Gas indication	4 digit Seven Segment 1" Red L.E.D display for Toxic Gas concentration indication	4 digit Seven Segment 1" Red L.E.D display for Combustible Gas indication
Status indication	2 L.E.D.s 'AL1 and AL2' for Alarms and 'COM' L.E.D. for communication		
Audio Indication	Integrated Buzzer for	Alarm limits violation.	Integrated Buzzer for Alarm limits violation with acknowledgment facility
Output (Signal) Relay	2 Nos. DPDT relay of rating 2A/24VDC'		
Communication RS-485 Slave	Isolated RS-485 communication with MODBUS RTU Protocol		
Programmable Settings	Baud rate (9600 bps), Parity (O/E/N), Data bits (8), Stop bits(1/2)		
No. of salve ID	1-250		
Minimum Polling interval		200 milliseconds	
Programmable Parameters Set point		2 Nos. AL1, AL2 User Programmable	
Programming of parameters	3 Nos. push button front keys (with password protection)		
Alarm logic		High or Low, user programmable	
Environmental Operating Ambient Temp.		0 to 50°C	
Humidity		Below 95% RH, Non condensing	
Electrical Supply voltage		18 to 36VDC, Typically 24VDC	
Power consumption		Less than 1.2 watt at 24VDC	
Dimensions		Less than 1.2 watt at 24vbc	
Flush mounting plate		Aluminium	
Front plate size		180 mm(H) x 200 mm(W)	
Back enclosure		MS with powder coated	
Overall Dimension	180 mm(H) x 200 mm(W) x 50 mm(D)		
Mounting	Modul	ar wall mounting with SS or \ Aluminiu	m front
			8



Clean Room Wonitoring System - Toxic/ 0 <sub>2</sub> / Combustible Gases  AMBETRONICS				
CLEAN ROOM O <sub>2</sub> & TEMP. MONITOR	CLEAN ROOM TOXIC & RH MONITOR	CLEAN ROOM COMBUSTIBLE & DIFFERENTIAL PRESSURE MONITOR	CLEAN ROOM PROCESS MONITOR-1"-2 PV	
CRM-232-22-I/R	CRM-232-23-I/R	CRM-232-31	CRM-485-32	
CLEAN ROOM O, A TEMP. MONITOR  AMBIETRUNKS  CRAP-232-22-4/R	CLEAR ROOM TOUCE A RIM MONITOR  S S S S S S S S S S S S S S S S S S S	DIESAN GOMO COMBUSTIBLE &  DIESENSIAL PRESSURE MONITOR  AMBETRONICS  GRAZE 21 1	CLEAN ROOM PROCESS MONITOR 1"	
Oxygen Sensor : Electrochemical  Temperature Sensor : Remote / Integrated Temperature Sensor connectivity. Remote sensor with cable length less than 10 meter available.	Humidity Sensor : Remote/Integrated Humidity Sensor connectivity Remote sensor with cable length less than 10 meter available Toxic Sensor : ELectrochemical	1) DP Sensor: In built Differential Pressure with Brass Hose Nozzels (Chrome Plated) for +Ve & -Ve Pressure connection  2) Combustible Sensor: Catalytic Pellistor Sensor	RS-485 Slave Port : 2 Nos. Slave device with Modbus-RTU protocol Slave Port : 2 Nos. Slave device having 1 P. V. OR 1 No. Slave device having 2 P. V.	
Oxygen: 0 to 25% V/V, 0.01 Resolution Temp.: -20.0°C to 60°C, 0.1 Resolution			Range : User settable within 4 digits (-999 to 9999) Resolution: 1, 0.1, 0.01, 0.001	
Oxygen (O2): ±2% of Full Scale Temp.: ± 0.5°C for Remote Sensor ± 1°C for Integrated Sensor	Toxic Gas: ± 2% of Full Scale  Humidity: ± 2% RH (Remote Sensor)  ± 3% RH (Integrated Sensor)	DP:± 1% Unit Combustible Gas: ± 3% of Full Scale		
4 digit Seven Segment 1" Red L.E.D. display for Temp./ Humidity indication	4 digit Seven Segment 1" Red L.E.D display Upper Display for Toxic Gas Indication Lower Display for Humidity Indication	4 digit Seven Segment 1" Red L.E.D display Upper display for Combustible Gas Indication Lower display for Differential pressure Indication	2x4 digit Seven Segment 1" Red LED display	
2 L.E.D.s for Alarms	2 L.E.D.s for Alarms 2 L.E.D.s 'AL1 and AL2' for Alarms & 'COM' L.E.D. for communication			
Integrated Buzzer for Alarm limits violation common for Both parameter.	Into	egrated Buzzer for Alarm limits for violat	ion	
2Nos. 2A/24VDC, one for each parameter	2 Nos. SPDT relay for rating 2A/24VDC' with potential free contacts (NO-C-NC)	2 Nos. DPDT relay for rating 2A/24VDC' or 2A/250VAC	2 Nos. DPDT Relay or Rating 2A/24VDC, User selectable	
Isolated RS-485 communication with Modbus RTU Protocol			RS-485 Master Port : Isolated RS-485 communication with Master Modbus RTU Protocol	
	Baud rate (9600 bps), Pa	rity (O/E/N), Data bits (8), Stop bits (1/2)		
		1-250		
200 milliseconds				
Programmable as per input selection		2 Nos. AL1, AL2 User Programmable		
3 Nos. push button front keys (with password protection)				
High or Low, user programmable				
0 to 50°C				
Below 95% RH, Non condensing				
24VDC ± 10% 18 VDC tp 36 VDC, Typically 24VDC				
Less than 1.2 watt at 24VDC				
Aluminium				
180 mm(H) x 200 mm(W)				
MS with powder coated  180 mm(H) x 200 mm(W) x 50 mm(D)				
Modular wall mounting with SS or \ Aluminium front				

## **ILLUSTRATIONS**





Manufactured by:















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