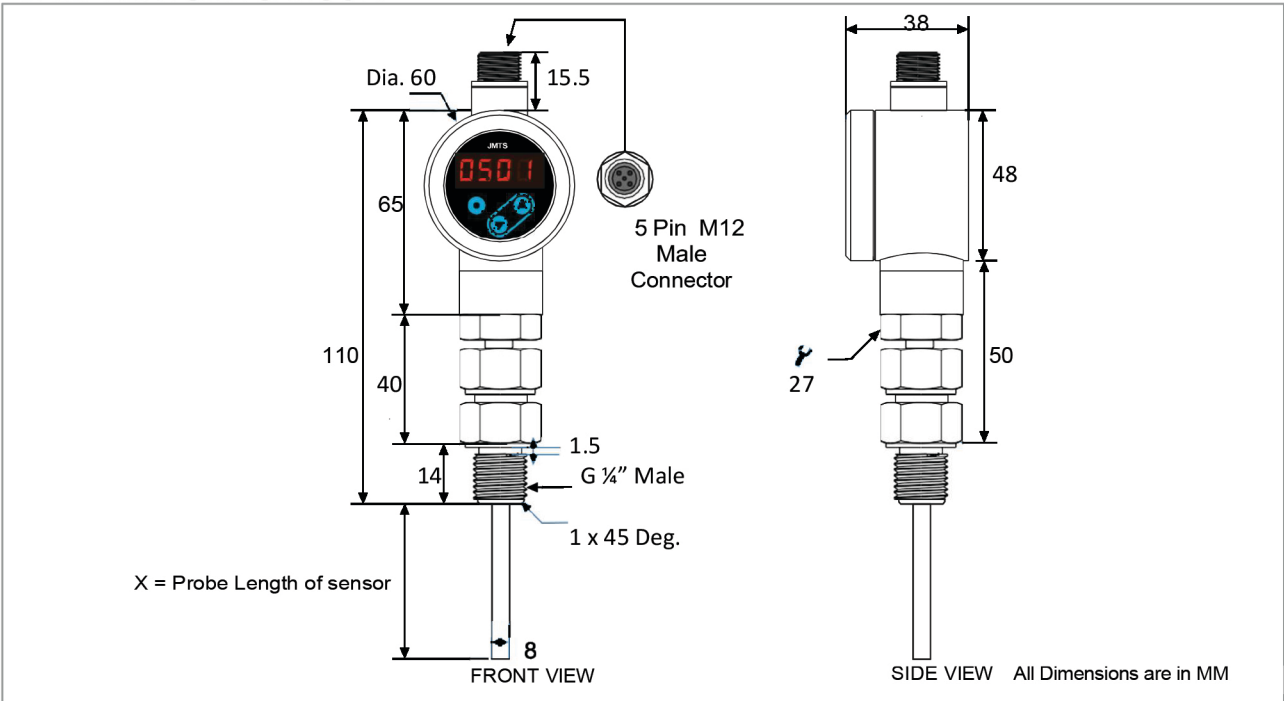


JMETS

TEMPERATURE SENSOR



Technical Specifications

Order No	JMETS10013	JMETS10050	JMETS100300
MEDIUM TEMPERATURE (Liquid/Gas)	-50 to 150 Deg. C	-50 to 150 Deg. C	-50 to 150 Deg. C
Probe Length X (mm)	13 mm	50 mm	300 mm
Pressure Rating (Bar)	300 Bar	30 Bar	30 Bar
Sensor Type	RTD PT 100		
Media	Liquids, Gases		
Medium temperature	-50°C to 150°C		
Medium temperature for Liquids	-50°C to 150°C		
Medium temperature for Gases	-50°C to 150°C		
Power Supply	18 to 32V DC		
Input	RTD PT 100		
Output 1	PNP Alarm 1 output (Max. load 100mA)		
Output 2	PNP Alarm 2 output (Max. load 100mA)		
Output 3	4 to 20 mA DC (Max. load 600 Ω)		
Accuracy	Switch point accuracy (°C)	± 0.3 + (± 0.1% M.V.)	
	Precision analog output (°C)	± 0.3 + (± 0.1% M.V.)	
	Display accuracy (°C)	± 0.3 + (± 0.1% M.V.)	
Display	4 digit 7 segment LED Display		
Resolution of display (°C)	0.1		
Response Time	<1 Sec.		
Pressure Rating	30 Bar 300 Bar		
Ambient Conditions	Temperature : -20 to 75°C / Humidity : 5 to 95% non-condensing		
Storage Conditions	Temperature : -20 to 75°C		
Insulation Resistance	>100 MΩ at 100VDC		
Span / Zero Adjustments	Programmable Software Calibration		
Process Connection	Threaded: 1/4" NPT, 2) 1/2" NPT, 3) 1/4" BSP, 4) 1/2" BSP, 5) M18 X1.5		
Electrical Connection	5 Pin M12 Male: (Pin1:+24 VDC, Pin2: Analog Output, Pin3:0 VDC, Pin4:Switching Output1 & Pin5:Switching Output2)		
Mounting	Direct Line mount (Vertical)		
Material of Construction	All wetted parts SS 316 (Options available on request)		