

Mini-Max M240 Temperature Indicator



- 3/64 DIN Temperature Indicator
- Jumper – selectable display for °C / °F
- Screw terminals connector for easy installation
- Unique mounting bracket allows for stacking of multiple meters

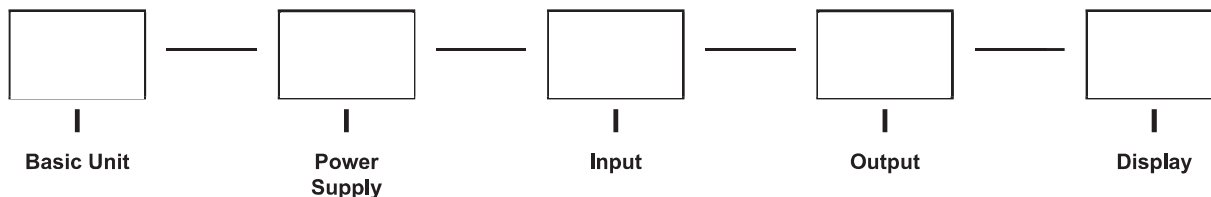
Specifications -																		
DISPLAY																		
Type	7- segment, red LED																	
Height	0.56” (14.2mm)																	
Display resolution	0.1° from -99.9° to 999.9°; 1.0° below 100° or above 1000°; 0.1mV for mV indication																	
Overrange Indication (T/C or mV)	The left-most digit shows 1: “1” (other digits are blank)																	
Open or faulty input connection	“-----”																	
Uncalibrated instrument	Display will flash continously “INFO FAIL CALB REQD” upon application of power.																	
Polarity	Automatic, with “-” indication, “+” indication implied																	
POWER REQUIREMENTS																		
AC Voltages	85 - 250VAC @ 50-60Hz																	
Power Consumption	2 VA																	
INPUTS																		
Thermocouple	J, K																	
Millivolt	± 70mV (Uncompensated for temperature)																	
Lead Resistance Effect	-13µV / 100Ω max.																	
RTD	Platinum 100 Ohm (.00385 alpha)																	
Lead Resistance Effect	2- and 3- wire 1° / .29Ω max.																	
Temperature Coefficient	± 0.2°C / °C																	
	<table><tr><th>Input Type</th><th>Temperature Range</th><th>Accuracy @ 25°C</th></tr><tr><td>K T/C</td><td>-100 to 1370°C -148 to 2498°F</td><td>± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)</td></tr><tr><td>J T/C</td><td>-100 to 1200°C -148 to 2192°F</td><td>± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)</td></tr><tr><td>RTD Pt100 (4-wire)</td><td>-100 to 850°C -148 to 1562°F</td><td>± (0.2% rdg +1.5°C) ± (0.2% rdg +2.7°F)</td></tr><tr><td>mV</td><td>-70 to 70mV</td><td>± (0.1% rdg +0.1mV)</td></tr></table>	Input Type	Temperature Range	Accuracy @ 25°C	K T/C	-100 to 1370°C -148 to 2498°F	± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)	J T/C	-100 to 1200°C -148 to 2192°F	± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)	RTD Pt100 (4-wire)	-100 to 850°C -148 to 1562°F	± (0.2% rdg +1.5°C) ± (0.2% rdg +2.7°F)	mV	-70 to 70mV	± (0.1% rdg +0.1mV)		
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Input Impedance	22MΩ																	
ENVIRONMENTAL																		
Operating Temperature	0 to 55°C																	
Storage Temperature	-10 to 60°C																	
Relative Humidity	0 to 85% non-condensing																	
Warmup time	Less than 20 minutes																	
A/D Conversion Techniques	12 Bit Successive Approximation (SAR)																	
Rate	10 samples per second																	
NOISE REJECTION																		
NMRR	60dB, 50/60Hz																	
CMRR	(w / 1kΩ unbalanced @ 60Hz) 90dB min																	
MECHANICAL																		
Bezel	0.94” x 2.83”																	
Depth	2.36”																	
Panel cutout	0.89” x 2.71”																	
Weight	3.5 oz. (99.2 g)																	
Case Material	94-0, UL-rated, glass-filled thermoplastic																	

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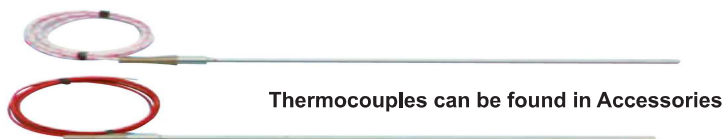
Ordering Information -

Mini-Max indicators can be configured by making an entry in each section below.

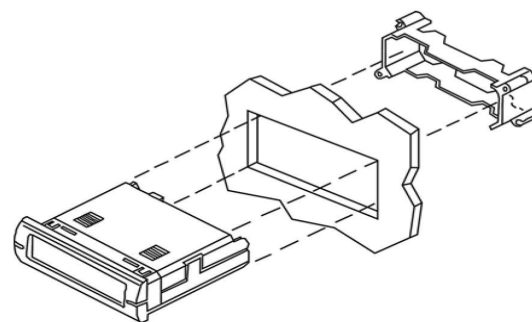
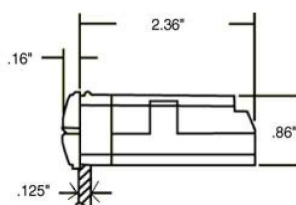
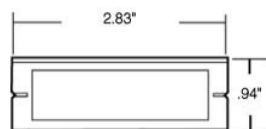
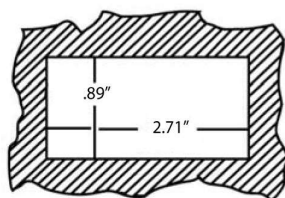
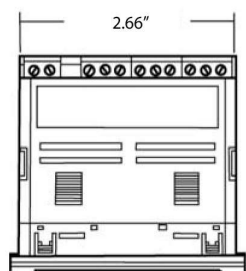
Example: M240-0-91-0-F.



Select From Each One Below									
Basic Unit			Input			Output			
<input type="checkbox"/>	M240	4 Digit LED	<input type="checkbox"/>	91	J T/C	<input type="checkbox"/>	0	None	
<input type="checkbox"/>			<input type="checkbox"/>	92	K T/C				
			<input type="checkbox"/>	93	RTD Pt100 Ohm				
			<input type="checkbox"/>	94	DC mV				
Power Supply						Display			
<input type="checkbox"/>	0	85-250 VAC				<input type="checkbox"/>	C	°C	
						<input type="checkbox"/>	F	°F	
						<input type="checkbox"/>	0	mV (only available with DC mV Input)	



Dimensions and Panel Cutout - M235, M245 & M240



Mounting Instructions

Insert the Mini-Max through the panel, and then slide the mounting bracket on to the Mini-Max.

The mounting bracket allows Mini-Max units to be stacked side-to-side or top-to-bottom.

Panel cutout instructions for stacking multiple units are provided in the operator's manual.