



## DIGITAL PANEL INDICATOR

## Mp95800

### Digital panel indicator

### Mp95800

- Microprocessor based
- RTD, T/C, mV and Ohm input
- Fully linearized
- High accuracy (Typical 0.1%)
- Optional output modules
- 5 Year warranty



## Specifications

Input RTD	Pt100, Pt250, Pt500, Pt1000, Ni100, Ni500, Ni1000, Cu10, Cu100
Input T/C	K,J,L,T,U,E,R,S,B,C,D,N
Other inputs	Ohm, mV
Minimum Span	<b>See table below</b>
Output	<b>See table below</b>
Display	4 digit, 7 segment high efficiency red LED 14.2 mm (0.56") height
Read rate	2.5 / second
Linearization	On / Off
Zero Drift	$\pm 0.01\%/^{\circ}\text{C}$ or $\pm 0.02^{\circ}\text{C}/^{\circ}\text{C}$
Span Drift	$\pm 0.005\%/^{\circ}\text{C}$ or $\pm 0.01^{\circ}\text{C}/^{\circ}\text{C}$
Cold Junction Drift	$\pm 0.01^{\circ}\text{C}/^{\circ}\text{C}$
Excitation Current, RTD	0.1 mA
Sensor Lead Resistance, RTD	500 Ohm max.
Sensor Lead Resistance Effect	0.001 $^{\circ}\text{C}/\text{Ohm}$
Sensor Lead Resistance, T/C	10,000 Ohm max.
Open Circuit Detection	Upscale / Downscale
Power supply	230 VAC, 115 VAC ( $\pm 10\%$ ) 50/60 Hz, 24 VDC or 12 VDC
Power consumption	3.5 W max.
Startup Time	20 sec.
Warmup Time	15 Min.
Supply voltage effect	0.001%/V
Ambient operating temperature	-10...+70 $^{\circ}\text{C}$
Storage Temperature	-20...+85 $^{\circ}\text{C}$
Relative humidity	95% RH @ 40 $^{\circ}\text{C}$ , non-condensing
Dimensions W x H x D	96 x 48 x 116 mm (1/8 DIN x 4.5")
Panel cutout W x H	90.5 x 43 mm (3.56" x 1.69")
Weight	375 g (13.2 oz.)

## Order information and options

### Example:

Model Mp95800-V1-A5-IF

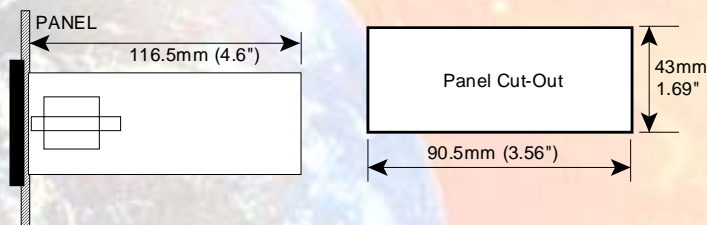
### Options:

- V\* = Power supply (see table)
- A\* = Output (see table)
- IF = Interface and software

Order suffix	Power supply
V1	230 VAC $\pm$ 10%
V2	115 VAC $\pm$ 10%
V3	24 VDC Isolated
V5	12 VDC Isolated

Order suffix	Output options
A3	4 – 20 mA, 0 – 1 VDC
A4	0 – 20 mA, 0 – 1 VDC
A5	4 – 20 mA, 0 – 10 VDC
A6	0 – 20 mA, 0 – 10 VDC

## Dimensions



## Sensor ranges

Sensor type	Temp. Min. °C	Temp. Max. °C	Span Min. °C
K (NiCr-Ni)	-270	1370	50
J (Fe-CuNi)	-200	1200	50
L (DIN Fe-CuNi)	-200	900	50
T (Cu-CuNi)	-270	400	50
U (DIN Cu-CuNi)	-200	600	50
E (NiCr-CuNi)	-270	1000	50
S (Pt10%Rh-Pt)	-60	1760	250
R (Pt13%Rh-Pt)	-60	1760	250
B (Pt30%Rh-Pt6%Rh)	0	1820	600
Pt100 IEC751	-200	850	25
Pt250 IEC751	-200	850	25
Pt500 IEC751	-200	850	25
Pt1000 IEC751	-200	850	25
Ni100 IEC751	-60	250	25
Ni500 IEC751	-60	250	25
Ni1000 IEC751	-60	250	25
Cu10	-200	250	25
Cu100	-200	250	25
C (W5%Re-W26%Re)	0	2300	150
D (W3%Re-W25%Re)	0	2300	150
N (NiCrSi-NiSiMg)	-270	1300	50
mV	0	1000	10
Ohm	0	9999	100



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