

Digital Temperature Meter

CST-321 CST-321M

- Measuring Thermocouple K, J, T, E, R & RTD Pt100
- Accuracy: $\pm 0.25\%$ (for Thermocouple), $\pm 0.1\%$ (for Pt100)
- Dimension is 1/8 DIN standard (96x48mm), 3 1/2 Digital display
- Option Aux. Power for DC 12V, 24V, 48V is available

Measuring Range & Resolution

Measuring Range		Resolution	Input Impedance
T/C	K 0~1200°C	1°C	$\geq 1M \text{ ohm}$
	J 0~750°C	1°C	$\geq 1M \text{ ohm}$
	T 0~400°C	1°C	$\geq 1M \text{ ohm}$
	E 0~1000°C	1°C	$\geq 1M \text{ ohm}$
	R 400~1600°C	1°C	$\geq 1M \text{ ohm}$
RTD	Pt100 -199.9~199.9°C	0.1°C	$\geq 1M \text{ ohm}$
	Pt100 0~800°C	1°C	$\geq 1M \text{ ohm}$

Sampling time: About 3 cycles/sec.
 Polarity indication: When input is negative "-"
 Over-range indication: "1" display
 Operating temperature: 0~60°C, 20~95%RH
 Temperature coefficient: $\leq 100 \text{ PPM}/^\circ\text{C}$,
 $\leq 50 \text{ PPM}/^\circ\text{C}$, ($23 \pm 5^\circ\text{C}$)
 Power Supply: AC 115/230V $\pm 10\%$, 50/60Hz
 Option DC 12V, 24V, 48V $\pm 10\%$ (Isolated)
 Power consumption: DC 3W, AC 4.5VA
 Dielectric Strength: AC 2.0KV for 1min. (Power/Input)
 AC 3.0KV for 1min. (Terminal/ase)
 Weight: 350g

ORDER INFORMATION

CST - 321 Input Type — Input Range — Aux. Power

CODE	Input Type
K	K type
J	J type
T	T type
E	E type
R	R type
P	Pt100
O	Other

CODE	Thermocouple	CODE	Pt100
A	0~100°C	1	0~199.9°C
B	0~200°C	2	-50.0~50.0°C
C	0~400°C	3	-99.9~199.9°C
D	0~600°C	4	0~300°C
E	0~1000°C	5	0~600°C
F	0~1200°C	6	0~800°C
G	400~1600°C	O	Specify
O	Specify		

CODE	Aux. POWER
D12	DC 12V
D24	DC 24V
D48	DC 48V
O	Specify

Adjustment

For T/C Input:

Span Adjust Pot (Clockwise: PV increase)
 Zero Adjust Pot (Clockwise: PV increase)
 $\leq 10\%$ of R.O. for Span adjustment, $\leq 2\%$ of R.O. for Zero adjustment

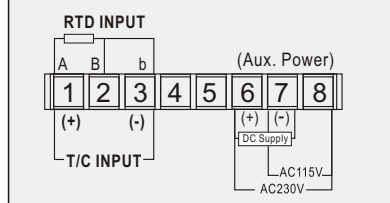
For RTD Input:

Zero Adjust Pot (Clockwise: PV increase)
 Span Adjust Pot (Clockwise: PV increase)
 $\leq 10\%$ of R.O. for Span adjustment, $\leq 2\%$ of R.O. for Zero adjustment

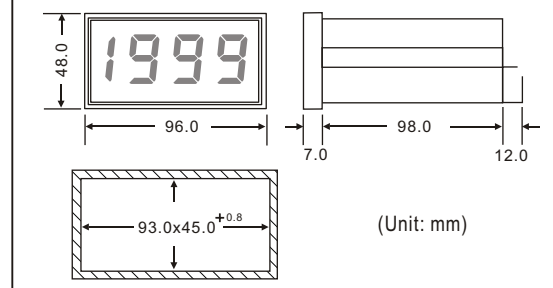


CST-321

Connection Diagram:



Dimension & Panel Cutout



6 CHANNEL TEMPERATURE METER

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- Dimension is 1/8 DIN standard (96x48mm)
- 3 1/2 Digital display: 1999

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	R 400~1600°C	1°C	$\geq 1M \text{ ohm}$
RTD	Pt100 -199.9~199.9°C	0.1°C	$\geq 1M \text{ ohm}$
	Pt100 0~800°C	1°C	$\geq 1M \text{ ohm}$

Sampling time: About 3 cycles/sec.
 Scan mode: Auto/Manual settable by frontkey
 Auto scan time is adjustable by VR for 5~60 sec.
 Polarity indication: When input is negative "-"
 Over-range indication: "1" display
 Operating temperature: 0~60°C, 20~95%RH
 Temperature coefficient: $\leq 100 \text{ PPM}/^\circ\text{C}$,
 $\leq 50 \text{ PPM}/^\circ\text{C}$, ($23 \pm 5^\circ\text{C}$)
 Power Supply: AC 115/230V $\pm 10\%$, 50/60Hz
 Power consumption: DC 3W, AC 4.5VA
 Dielectric Strength: AC 2.0KV for 1min. (Power/Input)
 AC 3.0KV for 1min. (Terminal/ase)
 Weight: 500g

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CST - 321M Input Type — Input Range — Aux. Power

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E	E type
R	R type
P	Pt100
O	Other

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B	0~200°C	2	-50.0~50.0°C
C	0~400°C	3	-99.9~199.9°C
D	0~600°C	4	0~300°C
E	0~1000°C	5	0~600°C
F	0~1200°C	6	0~800°C
G	400~1600°C	7	-100~600°C
O	Specify	O	Specify

CODE	Aux. POWER
A	AC 115/230V
O	Specify

Adjustment

For T/C Input:

DISPLAY for Channel No. 1-2-3-4-5-6-1 ...
 Scan time Adjust Pot (Clockwise: time longer)
 Zero Adjust Pot (Clockwise: PV increase)
 Span Adjust Pot (Clockwise: PV increase)
 $\leq 10\%$ of R.O. for Span adjustment, $\leq 2\%$ of R.O. for Zero adjustment

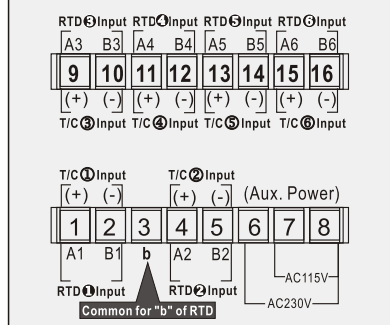
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