

CST-321 3 1/2 DIGITAL TEMPERATURE METER

FEATURE

- Measuring T/C: K, J, T, E, R RTD: Pt100Ω
- Accuracy: T/C: ±0.25% , RTD: ±0.1%
- 3 1/2 Digital display: 1999 (Option range 199.99 in pt100Ω input)
- Easy-to-wire, screw type terminal
- Outside dimensions is 1/8 DIN standard (96x48 mm)
- High stability & low cost

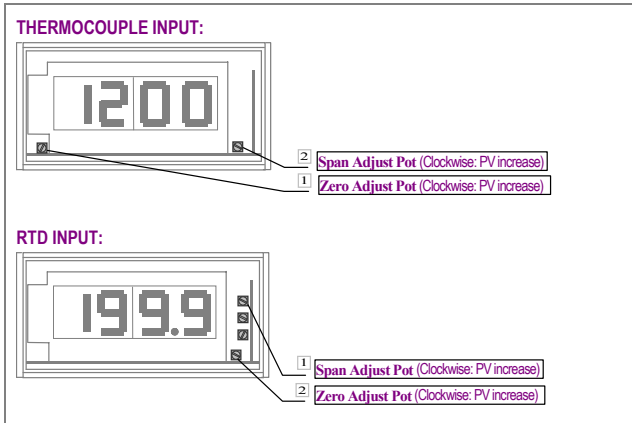


MEASUREMENT

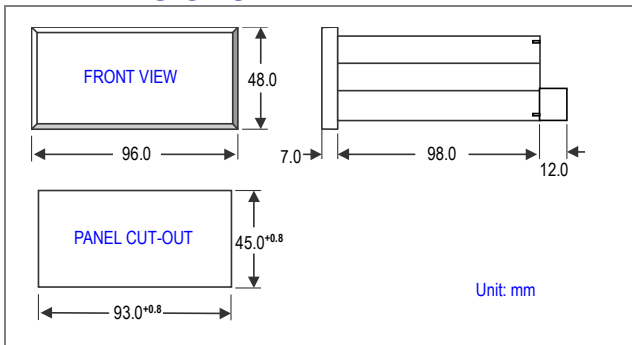
	Measuring Range	Resolution	Input
Thermo-couple	K 0~1200 °C	1 °C	≧ 1M ohm
	J 0~750 °C	1 °C	≧ 1M ohm
	T 0~400 °C	1 °C	≧ 1M ohm
	E 0~1000 °C	1 °C	≧ 1M ohm
	R 400~1600 °C	1 °C	≧ 1M ohm
RTD	Pt100 -199.9~199.9 °C	0.1 °C	≧ 1M ohm
	Pt100 0~800 °C	1 °C	≧ 1M ohm

- Measuring accuracy: T/C: ±0.25% F.S. ±1 digit
RTD: ±0.1% F.S. ±1 digit
- Span adjustment: ≧ 10% of F.S.
- Zero adjustment: ≧ 2% of F.S.
- Sampling time: About 3 cycles/sec.
- Polarity indication: When input is negative " - "
- Over-range indication: " 1 " display
- Operating temperature: 0~60 °C
- Operating relative humidity: 20~95 %RH
- Temperature coefficient: ≧ 100 PPM/ °C
≧ 50 PPM/ °C (23 ±5 °C)
- Cold junction compensation: 25 ±10 °C, error < 0.5 °C
- Storage temperature: -10~70 °C
- Power Supply: AC 115/230V ±10%, 50/60 Hz
Option: DC 12V, 24V, 48V ±10%
(Isolated)
- Power consumption: DC 3W, AC 4.5VA
- Dielectric Strength: AC 2.0KV for 1 min (Between Power / Input)
AC 3.0KV for 1 min
Between (Terminal / Case)
- Weight: 350g

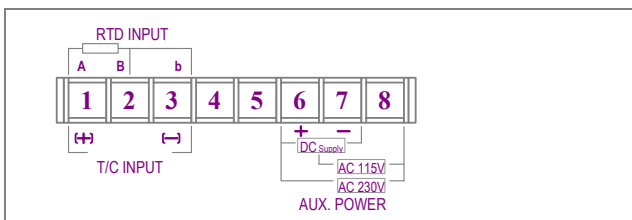
ADJUSTMENT



DIMENSIONS



CONNECTION DIAGRAM



ORDERING 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 Ω
O	Other

Thermocouple		Pt100 Ω	
CODE	INPUT RANGE	CODE	INPUT RANGE
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	7	-100~600 °C
O	Specify	O	Specify

CODE	AUX. POWER
A	AC 115/230 V
D12	DC 12 V
D24	DC 24 V
D48	DC 48 V
DO	Specify DC
AO	Specify AC