

3 1/2 TEMPERATURE SETTING METER

CST-321S

FEATURE

- Measuring T/C: K, J RTD: Pt100 Ω
- Accuracy: T/C: $\pm 0.5\%$, RTD: $\pm 0.2\%$,
- 3 1/2 Digital display: 1999
- Relay contact output
- Easy-to-wire, screw type terminal
- Outside dimensions is 1/8 DIN standard (96x48 mm)
- High stability & low cost



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MEASUREMENT

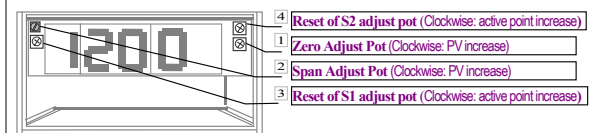
	Measuring Range		Resolution	Input Impedance
Thermo-couple	K	0~1200 °C	1 °C	$\geq 1M$ ohm
	J	0~750 °C	1 °C	$\geq 1M$ ohm
RTD	Pt100	-199.9~199.9 °C	0.1 °C	$\geq 1M$ ohm
	Pt100	0~800 °C	1 °C	$\geq 1M$ ohm

SPECIFICATION

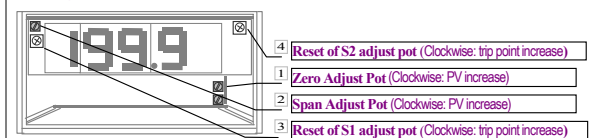
Measuring accuracy:	T/C: $\pm 0.5\%$ F.S. ± 1 digit RTD: $\pm 0.2\%$ F.S. ± 1 digit
Span adjustment:	$\leq 10\%$ of R.O.
Zero adjustment:	$\leq 2\%$ of R.O.
Sampling time:	About 3 cycles/sec.
Polarity indication:	When input is negative "-"
Over-range indication:	"1" display
Setting accuracy:	$\pm 0.5\%$ F.S. ± 1 digit
Reset adjustment:	$\pm 1\%$ F.S. by potentiometer
Control active:	ON/OFF
Relay contact:	SPDT for R1 & R2; AC 110V/5A, 220V/3A
Operating temperature:	0~60 °C
Operating relative humidity:	20~95 %RH
Temperature coefficient:	≤ 100 PPM/°C (0 ~ 50 °C) ≤ 50 PPM/°C (23 \pm 5 °C)
Cold junction compensation:	25 \pm 10°C, error < 0.5 °C
Storage temperature:	-10~70 °C
Power Supply:	AC 115/230V $\pm 15\%$, 50/60 Hz
Power consumption:	DC 3W, AC 4.5VA
Dielectric Strength:	AC 2.0KV for 1 min (Between Power / Input / Output)
	AC 3.0KV for 1 min (Between Terminal / Case)
Weight:	500g

ADJUSTMENT

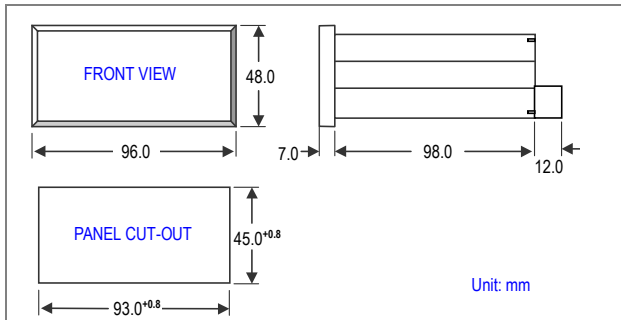
Thermocouple input:



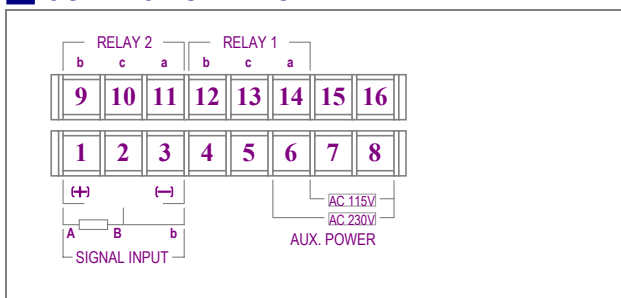
RTD input:



DIMENSIONS



CONNECTION DIAGRAM



ORDER INFORMATION

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

CODE	INPUT TYPE	CODE	INPUT RANGE	CODE	OUTPUT	CODE	AUX. POWER
K	K type	A	0~100 °C	1	0~199.9 °C	H	AC 115/230 V
J	J type	B	0~200 °C	2	-50.0~50.0 °C	HH	Specify
P	Pt100 Ω	C	0~400 °C	3	-99.9~199.9	L	
O	Other	D	0~600 °C	4	0~300 °C	LL	
		E	0~1000 °C	5	0~600 °C	HL	
		F	0~1200 °C	6	0~800 °C		
		O	Specify	O	Specify		