

## DS-CT-1100

## TEMPERATURE TRANSMITTER



### FEATURES

- High accuracy: Up to +/- 0.1% of range
- Output signal: 4 - 20mA output
- Self-diagnostics function: Loss of input, Incorrect span, Excessive ambient temperature
- Dual compartment design: Ease of maintenance & Protection from harsh environment
- Variety of Sensor inputs: Use selectable TC & RTD inputs
- LCD display: Optional
- Linearization: Software linearization
- Cold junction compensation accuracy (for T/C only): +/- 0.5°C

### FUNCTIONAL SPECIFICATIONS

Input	T/C ( Type T,B,E,J,K,R,S ) , 2-,3-and 4-wire RTDs
Supply Voltage	Power Supply : 12 to 32 V DC
Output	2-wire with 4-20mA DC, linear with temperature input
Output in Transmitter Failure	Downscale : <=3.8mA or Upscale : >=22mA
Load	250 ohms to 600 ohms
Turn-on Time	Approximately 5 seconds
Damping Facility	Available
Ambient Temperature Limits	0 to 80°C
Ambient Humidity Limits	0-99 % RH at 40°C

### PHYSICAL SPECIFICATIONS

Cable Entry	½" NPT or M20
Enclosure Material	Die-Cast Aluminium with low copper
Coating	Polyurethane resin baked finish with RAL 5023 finish
Degree of Protection	IP66
Data & Tag Plate	Stainless Steel
Mounting	Transmitters may be attached directly to the sensor. Optional mounting brackets can be used either for two-inch pipe or DIN RAIL mounting
Cover O-rings	Buna-N or Teflon or Nitrile Rubber
Terminal Screws	M4 screws
Weight (for aluminium housing)	1.5 Kg for complete enclosure without mounting bracket

### RANGE

Type of Thermocouple	Temperature Range
T	0 - 300°C
E	0 - 400°C
J	0 - 400°C
K	0 - 800°C
R or S	0 - 1400°C
B	800 - 1500°C
RTD PT-100	0 - 650°C



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### DIMENSIONAL DRAWINGS

