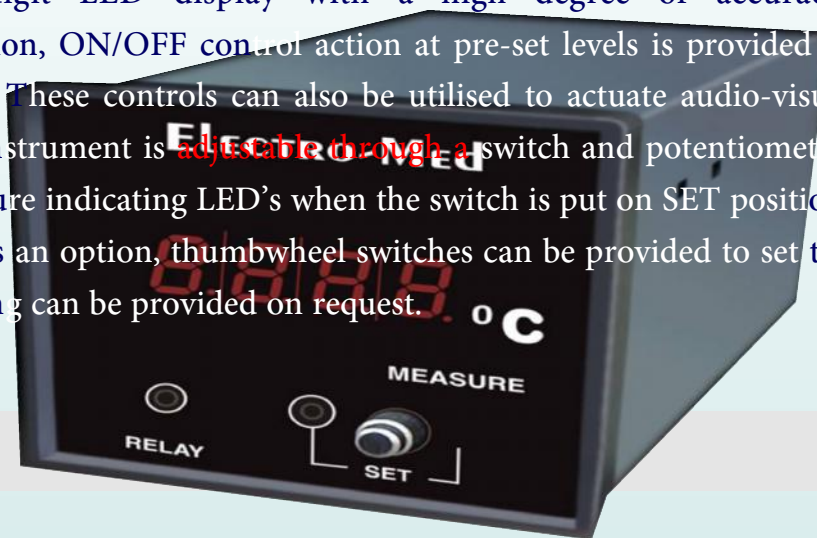


DIGITAL TEMPERATURE INDICATORS/CONTROLLERS

Temperature Indicators/Controllers find wide usage in a variety of industrial applications like turbines, furnaces, blow moulding, etc. where the measurement/control of temperature is of vital importance. Based on state-of-the-art technology, **ELECTRO-Med** Digital Temperature Indicators and Controllers offer excellent price to performance ratio. Generally the instruments accept inputs from sensors like RTDs and Thermocouples, depending on the temperature range to be monitored. Temperature is displayed on a 3 ½ digit LED display with a high degree of accuracy.

In addition to temperature indication, ON/OFF control action at pre-set levels is provided in Controllers by a set of change-over contacts. These controls can also be utilised to actuate audio-visual alarms if required. The control point of the instrument is adjustable through a switch and potentiometer. This setting is displayed by the same temperature indicating LED's when the switch is put on SET position. At Monitor it reads the actual temperature. As an option, thumbwheel switches can be provided to set the control point. Both single and dual point setting can be provided on request.



Specifications

1. Sensors, range and Accuracy:

Type	Sensor	Useful range (°C)	Range over which accuracy is specified (°C)	Worst case Accuracy (°C)
RTD	Pt 100	- 200 to 600	- 100, 500	± 1
K	Chrome/Alumel	- 100 to 1373	0, 1200	± 1
J	Iron/Constantan	- 100 to 760	0, 1200	± 1
R	Pt/Pt - 13% Rh	0 to 1767	600, 1600	± 1
S	Pt/Pt - 10% Rh	0 to 1767	600, 1600	± 1

- 2. Display : 3 ½ digit, 12.5 mm high bright red LED's
- 3. Sensor break LED Indicator
- 4. Power requirement : 230 V, AC 15%
- 5. Cold junction compensation : Automatic (for thermocouple)
- 6. Enclosure : DIN standard, epoxy coated metallic enclosures
- 7. Computer designed PC board

Controllers:-

- 1. Control action : on/off
- 2. Controller output : 1 set of potential free change over contacts rated for 6 Amps at 230 V AC, for each set point
- 3. Dead band : Settable, 0.5% to 5%.

ELECTRO-Med

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