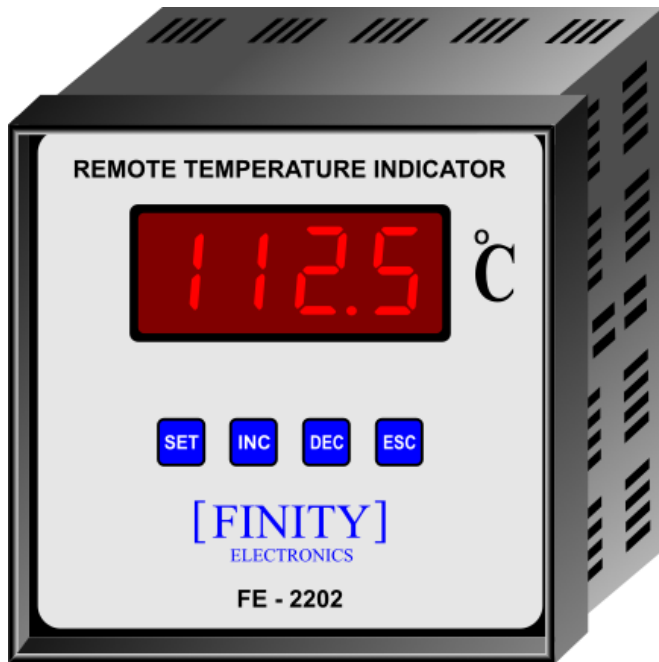# REMOTE TEMPERATURE INDICATOR : FE-2202

Features :

- Accurate temperature sensing across wide range with 0.1°C resolution.
- In-built compatibility for different resistive potentiometers be it 0 to 440Ω or 2,8kΩ or as specified by user.
- Bright red 0.56-inch 4-character 7 segment LED display.
- User settable Temperature range 0 to 180.0°C, settable in control settings.
- Up to 4 opto-isolated 4-20 mA O/P, programable for digital calibration of zero and span settings.
- Reverse polarity protected outputs with ESD and EFT protection. I/P protected from static discharge and EFT surge by TVS diode.
- Digital Calibration for input to RTI. The calibration can be done in control settings. This calibration will result change in the temperature displayed.
- Embedded with a powerful microcontroller for fast & enhanced processing.
- Easy and flawless control settings for setting parameters by user.
- Robust, rugged and compact design.

RTI's (Remote Temperature Indicator) purpose is to read, indicate and transmit the temperature, which transformer winding or oil is at. From the local WTI or OTI three output terminals are extended up to RTI named as Max, Com and Min.

Technicalities :

- Input type   : 1) Resistive Potentiometer I/P
    2) 4-20 mA current loop I/P (not powered)
    3) 4-20 mA current loop I/P self-powered at 24V
    4) Pt-100 Sensor I/P
- Resistive Potentiometer   : Compatible for 440Ω to 2.8kΩ, or user specified
- Display   : 4-character, 0.56-inch, 7 Segment LED Display
- Display Resolution   : 0.1°C
- Display Temperature Range : 0 to 180.0°C programmable by user in control settings
- Supply   : Universal Supply, 85-265V AC/DC
- Power consumption   : 5W
- Number of Outputs   : 4 / 2 / None, 4-20mA O/P, optically isolated from measurement system
  Maximum Burden   : 700 ohms max burden.
- RS 485 Output   : Available as per user need.
- Panel Cut-Out   : 92 X 92 mm
- Enclosure Dimensions   : 96 X 96 X 85 mm (H x W x D)
- Working Temperature   : 0 - 60° C
- Weight   : 300 grams approx.

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