2-Wire RTD Transmitter Type M-345

Low Cost

- 2 Wire head mounted transmitter
- 4-20 mA output
- Accuracy of 0.15% F.S
- Pt-100 linearization
- Adjustable zero and span
- Wide measuring ranges
- RFI immune
- 3 year warranty



The M-345 is a low cost two-wire loop powered transmitter of the third generation.

The transmitter converts the PT-100 signal into a standard 4-20mA current signal proportional and linear to the temperature. The linearization complies with the DIN-43760 and IEC-751 standards. By means of an electrical circuit the M-345 compensates the sensor lead lengths to avoid reading errors.

The M-345 can be ordered to a very wide measuring ranges pre-calibrated or not assembled to enable the user to choose any desired range. The transmitter ranges cover all PT-100 measuring range starting -200 °C up to 850 °C.

With two easily accessible multi-turn trim-pots (zero and span) located on the top of the transmitter it is very easy to perform a fine calibration and to perform the annual routine calibration.

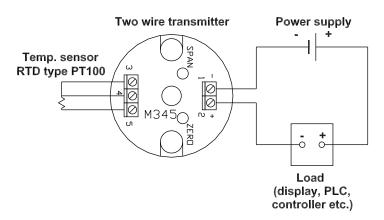
The M-345 is designed to fit any standard DIN-B connection head.

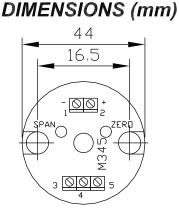


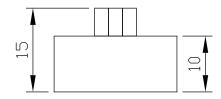
Technical Specifications

Power supply: 9-36 VDC polarity protected Power supply effect: <0.005%/V Output: 4-20mA Load: max. RLoad(ohms) = (VSupply-10)/0.020 Input: RTD type PT-100 according to DIN-43760 or IEC-751 RTD connection: 3 wire system Transmitter span: 50°C to +850°C Accuracy: combined linearity, Hysteresis and repeatability:<0.15% F.S Sensor lead compensation: up to 10 Ω each lead,
must be symmetrical to all 3 leadsSensor current excitation: 0.8mATemperature stability: <+/-0.03% of span/ °K</th>Operating temperature: -40 to 85 °CStorage temperature: -45 to 85 °CBurn out: upscale (max 30mA)Humidity: 5-95% none condensing

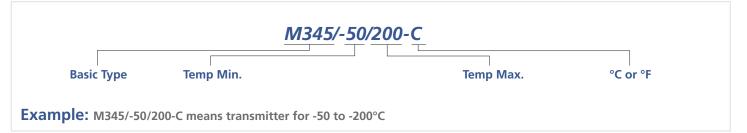
CONNECTION DIAGRAM







How to order:



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Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

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