

Head Mounting 4~20mA Temperature Transmitter

- Designed and manufactured in South Africa.
- 1 year warranty.
- Fits ANSI and DIN heads.
- Use with fixed or spring mounted assemblies.
- Analogue – No programming required.

An economical loop powered PT100 temperature transmitter for two and three wire sensors designed and manufactured in South Africa.

The extended low voltage operating range allows for use with 12V DC as well as the usual 24V DC sources and makes use of a constant current input circuit to improve accuracy.

The design is totally analogue, no programming required. Trimming and re-calibration requires no special tools or software. Zero and Span trimmers provide a fine user adjustment.

The green LED indicates that the device is active. The brightness of the LED indicates that the circuit is functioning correctly.

The device has a rugged design and the electronics are encapsulated for added protection. It operates over a wide temperature range and has excellent RFI immunity.



BASIC SPECIFICATIONS

Housing	45mm dia x 24mm high. Fits KH and DIN heads. Suitable for spring mounted assemblies.
Supply Voltage	9 ~36V DC
Terminals	Captive rising clamp screw terminals. Star & Flat.
Input	DIN PT100 two or three-wire sensors.
Sensor Current	800µA
Output	4~20mA
Accuracy	±0.15% of span
Linearity to Temperature	±0.15% of span
Minimum Span	50°C
Maximum Span	600°C
Indication	Green LED. Intensity changes with 4~20mA output.
Operating Temperature	-20 to 75°C
Operating Humidity	0-90% non-condensing

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