RT711
RTD Temperature Transmitter w/0-5 VDC or 0-10 VDC Output

intempco

Product Features

- *0-5 VDC or 0-10 VDC output*
- *Linearized output to temperature*
- *Input RTD Pt100 with 3-wire compensation*
- *Analog design, potentiometer adjustable*
- *Factory calibrated for fixed range*
- *Fits standard heads*

Description

The RT711 Series analog 3-wire temperature transmitters offer the most effective price/performance ratio in the industry. Factory calibrated for fixed range, they provide a 0-5 or 0-10 VDC output linearized to temperature for Pt100. The wide temperature range and stocked availability make the RT711 an excellent choice for temperature signal transmission.

Precision 20-turn potentiometers allow fine adjustment of ZERO and SPAN. RT711 transmitters are of high quality, very accurate, completely linearized and fit into industry standard connection heads.
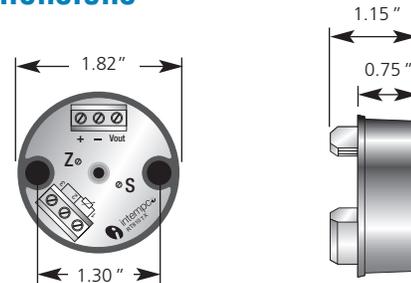
Specifications

@Vnom = 24 VDC, **T.ambient** = 25°C, **Span nom.** = 100 °C

Input :	Pt100, 3-wire, $\alpha = 0.00385$, DIN EN 60751
Output :	0-5 VDC or 0-10 VDC, linear to temperature
Linearization :	±0.01 % FS
Power Supply :	12-32 VDC, polarity protected
Supply Effect :	0.02 %/V
Zero Drift :	±0.05 % FS/°C
Span Drift :	±0.05 % FS/°C
Long Term Drift :	±0.05 % FS/year
Excitation Current RTD :	0.8 mA
Sensor Lead Resistance RTD :	500 ohm max.
Accuracy :	0.1 % FS (includes effects of linearity, hysteresis and repeatability)
Span/Zero Adjustment :	20 turn potentiometer, ±10 % for zero and span
Maximum Loop Resistance :	Rmax. = [Vsupply – 9 VDC] / 20 mA
Warmup :	30 seconds
Ambient Operating Temperature :	-40°C.....80°C (-40 °F....176°F)
Storage Temperature :	-40°C.....80°C (-40 °F....176°F)
Housing Material :	Die Cast Zinc, Enamel Painted
Housing Dimensions :	1.82 " dia. x 1.15 " H.

- *Information furnished by Intempco is believed to be accurate and reliable. However, no responsability is assumed by Intempco for its use.*
- *Specifications subject to change without notice.*

Dimensions

1.82 "
1.30 "
1.15 "
0.75 "

Temperature Standard Ranges		Input
°C	**(°F)**	**Pt100 (P)**
-50/+50	(-58/+122)	•
0/+50	(32/+122)	•
0/+100	(32/+212)	•
0/+200	(32/+392)	•
0/+300	(32/+572)	•
0/+400	(32/+752)	•
0/+600	(32/+1112)	•

For non-standard temperature ranges, specify range

Output	Code
0-5 VDC	**VA**
0-10 VDC	**VD**

Custom Builder

Model	Input Code	Output Code	Range
RT711	P	VA, VD	(___ / ___)

Ex.: **RT711 - P - VA - (0/100°C)**