



- **Input**
 - **Input group 1** : Pt100
 - **Input group 2** : 4~20 mA, 0~20 mA, 0~10 V DC
 - **Input group 3** : 8 Thermocouples, 0/4~20 mA
- **85~265 V AC SMPS**
- **Accuracy** : $\pm 0.1\%$ of full scale $\pm 1\text{ }^\circ\text{C}$, typical
- **Sensor break indication**

SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

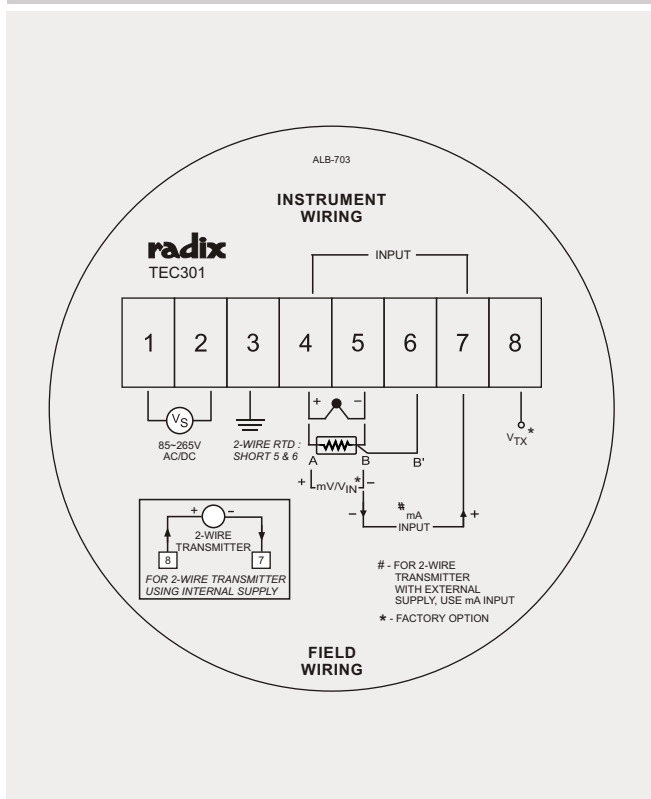
<p>Input</p> <p>Input group 1 RTD</p> <p>Input group 2 Linear input</p> <p>Input group 3 Thermocouple RTD Linear input Transmitter supply</p> <p>Load resistance for 0/4~20 mA input</p> <p>Range limits</p> <p>Accuracy</p> <p>Temperature coefficient of accuracy</p> <p>Cold junction compensation Units</p> <p>Pt100, Thermocouple Linear</p> <p>Mutual isolation between input/supply</p> <p>Indication Display</p>	<p>Pt100</p> <p>4~20 mA, 0~20 mA, 0~10 V DC</p> <p>B, E, J, K, N, R, S, T Pt100</p> <p>4~20 mA, 0~20 mA 22 V DC, Nominal, 30 mA max (17 V DC available across transmitter; for HART transmitter, please inquire)</p> <p>250 Ω, internally provided</p> <p>See Table 1 See Table 1</p> <p>$\pm 0.02\%$ of span / $^\circ\text{C}$</p> <p>Automatic</p> <p>$^\circ\text{C}$ (For $^\circ\text{F}$, contact us) EU</p> <p>1 KV AC / 1 minute</p> <p>4 digit, 7 segment 0.56" (14.2 mm) red LED display</p>	<p>Programmable Parameters</p> <p>Resolution</p> <p>User selectable 1 (for TC) 0.1, 1 (for RTD) 0.001, 0.01, 0.1, 1 (for linear input) -99.9 to 99.9 Full range (See Table 1) Full range (See Table 1)</p> <p>Bias</p> <p>High scale</p> <p>Low scale</p> <p>Other</p> <p>Enclosure</p> <p>Protection</p> <p>Keyboard</p> <p>Material</p> <p>Dimensions (in mm)</p> <p>Weight</p> <p>Mounting</p> <p>Mounting accessories</p> <p>Connection, single/ stranded wires</p> <p>Supply voltage</p> <p>Power consumption</p> <p>Operating ambient temperature</p> <p>Relative humidity</p>	<p>Certified flameproof for gas groups I, IIA & IIB IP65</p> <p>Tactile, 3 keys, inside enclosure</p> <p>Aluminium alloy</p> <p>250(H) x 150(W) x 95(D)</p> <p>1.8 Kg</p> <p>Wall mount / Pipe mount Included</p> <p>$\leq 2.5\text{ mm}^2$, AWG 14</p> <p>85~265 V AC, 50/60 Hz</p> <p>3 watts maximum</p> <p>0 ~ 50 $^\circ\text{C}$</p> <p>Below 90%, non condensing</p>
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TABLE 1

SENSOR / INPUT	RANGE LIMITS (°C / EU)		RANGE IN WHICH ACCURACY IS SPECIFIED		TYPICAL ACCURACY AT 30 °C (°C / EU)	WORST CASE ACCURACY AT 30 °C (°C / EU)
	LOW SCALE	HIGH SCALE	LOW SCALE	HIGH SCALE		
Iron / Constantan (J)	-99	750	0	750	± 1	± 3
Chromel / Alumel (K)	-99	1350	-50	1200	± 1	± 3
Pt / Pt - 13% Rh (R)	0	1760	0	1760	± 2	± 5
Pt / Pt - 10% Rh (S)	0	1760	0	1760	± 2	± 5
Copper / Constantan (T)	-99	400	-50	400	± 1	± 3
Nicrosil / Nisil (N)	-99	1300	-50	1200	± 1	± 3
Pt - 6% Rh / Pt - 30% Rh (B)	400	1820	400	1820	± 3	± 5
Chromel / Constantan (E)	-99	900	0	800	± 1	± 3
Pt100, 3-wire	-99	850	-50	850	± 0.5 *	± 2.0
Linear 0~20 mA, 4~20 mA, 0~10 V DC	-1999	9999	-1999	9999	± 5 EU	± 20 EU

* ± 0.2°C in the range -50 to +400 °C

CONNECTION DIAGRAM



ORDERING INFORMATION

ORDER CODE : 2275

The standard input group is input group 1 (Pt100).

Ordering Options

The following ordering options are available on request. Minimum order quantity and/or minimum order value may apply.

	Option	Details
1.	Input group 2	0~10 V DC, 0/4 ~ 20 mA
2.	Input group 3	8 thermocouples, Pt100, 0/4~20 mA
3.	Unit	°F



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