

## Main Specification of Integral Temperature Transmitter

Main specifications of Integral temperature transmitter are shown in Table 7.

**Table 7 Specification of Transmitter**

Specifications	Mated with RTD	Mated with TC: K, T, E, J
<b>Accuracy</b>	$\pm 0.2 \text{ C} \pm 0.2\%$ of reading	$\pm 1 \%$ of full scale, including cold junction temp.
<b>Cold Junction Temp.</b>	N/A	0 ~ 70 °C Compensate automatically
<b>Indication for Broken Circuit</b>	N/A	Lower limit
<b>Range</b>	- 30 ~ 500 °C - 200 - 850 °C (Smart)	0 ~ 800 °C - 200 ~ 1760 °C (Smart)
<b>Output Signal</b>	4 ~ 20mA DC Linear with the input.	4 ~ 20mA DC Linear with the input.
<b>Power Supply</b>	10 ~ 30V DC Protected by reverse connecting (24VDC for rated load voltage)	10 ~ 30V DC Protected by reverse connecting (24VDC for rated load voltage)
<b>Load</b>	0 ~ 700 Ohm at 24V 250 Ohm For rated	0 ~ 700 Ohm at 24V 250 Ohm For rated
<b>Ambient Temp.</b>	0 ~ 70 °C - 40 ~ 70 °C (Smart)	0 ~ 70 °C - 40 ~ 70 °C (Smart)
<b>Relative Humidity</b>	5% ~ 95%, No condensation	5% ~ 95%, No condensation
<b>EMC</b>	EN55011 Electromagnetic Leak IEC801-2 Static Discharge IEC801-3 EMI Inhibition IEC801 - 4 Transient Pulse (Under the condition of 24V DC Input and 250 Ohm load)	EN55011 Electromagnetic Leak IEC801-2 Static Discharge IEC801-3 EMI Inhibition IEC801 - 4 Transient Pulse (Under the condition of 24V DC Input and 250 Ohm load)
<b>Mechanical Vibration</b>	Amplitude < 0.15mm f < 55 Hz	Amplitude < 0.15mm f < 55 Hz
<b>Programming or communicator</b>	Smart, Rcpw Smart, HART communication	Smart, Rcpw Smart, HART communication

## Immersion Length and Connecting Style of Thermowell

Immersion length and connecting style of thermowell are show in Table 8.

Note: There is another connecting structure, L Stem with unfixed flange, for armored thermometer with thermowell. And there are two specifications in normal service, 1500 mm long in total length with 750mm of immersion length, and 1000mm long in total length with 500 mm of immersion length. Custom lengths are available.