

4-20 MA OUTPUT, ISOLATED

How to build a part number:

To order an Applied Sensor Technologies transmitter, select the requirements for the categories listed below and fill in the corresponding boxes with your selection. Don't see exactly what you need? Give us a call!

TRANSMITTER TYPE	INPUT	RANGE	UNITS OF MEASURE	OPTION

TRANSMITTER TYPE*

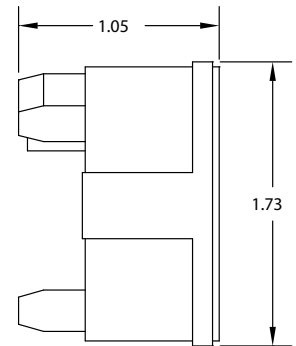
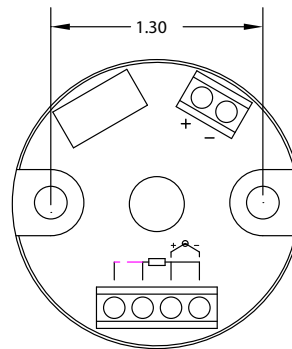
UNI5-I – Isolated transmitter with single 4-20mA output for terminal head mounting

UNI5-I

INPUT

J – J type thermocouple
K – K type thermocouple
E – E type thermocouple
T – T type thermocouple
Pt100 – 100-ohm platinum RTD
Pt1000 – 1000-ohm platinum RTD

R – R type thermocouple
S – S type thermocouple
B – B type thermocouple
Ni100 – 100-ohm nickel RTD
Ni1000 – 1000-ohm nickel RTD



RANGE (specify minimum and maximum values, e.g., 0-100)*

– **Minimum Range Value** (temperature value that equals 4 mA)

– **Maximum Range Value** (temperature value that equals 20 mA)

UNITS OF MEASURE

Specify °F or °C

OPTION

DS01 – Downscale open circuit detection

Specifications

Input:	Thermocouple or 3-wire/4-wire RTD
Isolation (I/O):	1500 VAC galvanic
Supply Voltage:	6.5-36 VDC, polarity protected
Output:	4-20 mA or 20-4 mA
Sensor Lead Resistance:	RTD: 25 ohms max./wire T/C: 500 ohms max.
Maximum Load:	$R_{max} = (V_{supply} - 6.5) / 0.022$
Linearity:	RTD $\pm 0.1\%$ of span TC $\pm 0.2\%$ of span
Stability:	0.01 °C/°C
Ambient Temperature:	-40 to + 85 °C
Housing:	PC/ABS
Open Circuit Detection:	Upscale standard

*Available sensor ranges and limitations

Sensor Type	Min. Temp.	Max. Temp.	Min. Span
J T/C	-200°C	1000°C	2 mV
K T/C	-200°C	1350°C	2 mV
E T/C	-200°C	1000°C	2 mV
T T/C	-200°C	400°C	2 mV
R or S T/C	-50°C	1760°C	2 mV
B T/C	0°C	1820°C	2 mV
Pt100 RTD	-200°C	1000°C	10°C
Pt1000 RTD	-200°C	200°C	10°C
Ni100 RTD	-60°C	250°C	10°C
Ni1000 RTD	-100°C	150°C	10°C

Note: when used as an option in combination with a temperature sensor assembly, use option code **TR14** at end of assembly part #.