# 4-20 MA OUTPUT, NON-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!

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### TRANSMITTER TYPE
- **TC2** – Non-isolated transmitter with thermocouple input and single 4-20 mA output for terminal head mounting
- **RTD2** – Non-isolated transmitter with RTD input and single 4-20 mA output for terminal head mounting

### INPUT
- J – J type thermocouple
- K – K type thermocouple
- E – E type thermocouple
- T – T type thermocouple
- Pt100 – 100-ohm platinum RTD (RTD2 only)

### 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

### Specifications
- **Supply Voltage**: 8-38 VDC, polarity protected
- **Maximum Load**: \( R_{\text{max}} = \frac{(V_{\text{supply}} - 8V)}{20 \, \text{mA}} \)
- **Stability (both zero and span drift)**:
  - RTD: 0.03% of span/°C (100°C span)
  - T/C: 0.04% of span/°C (25 mV span)
- **Linearity**:
  - RTD: better than +/- 0.05% of span
  - T/C: better than +/- 0.03% of span
- **Ambient Temperature**: -20 to + 70°C
- **Humidity**: 0-95% RH, non-condensing
- **Input span**:
  - RTD: 20°C min., 500°C max.
  - T/C: 10 mV min.

### Note:
when used as an option in combination with a temperature sensor assembly, use option code **TR12** at end of assembly part #.