TEL-TRU MANUFACTURING COMPANY

DIGI-TEL TEMPERATURE TRANSMITTER

The Tel-Tru Digi-Tel Temperature Transmitter offers maximum flexibility and rugged durability, for use in a broad range of industrial applications, through a modular fit with Tel-Tru Digi-Tel Sensor Probes and Display Modules. Built for accuracy and versatility, the transmitter offers field selection of factory-scaled temperature ranges, as well as RMI/RFI protection.

➤ SPECIFICATIONS:

Signal:

Input: Pt 1000

Connection: 2 wire

Output: 4 to 20 mA

Upscale/downscale break: 21.5 to 3.6 mA

Supply voltage: 8 to 35 Vdc 24 recommended

Zero and Span adjustment:
- 16-position dipswitch for range selection
- 17 Factory scaled ranges from -75°F to 1200 °F

Accuracy: See range chart (includes effect of linearity, hysteresis and repeatability)

Calibration: Traceable to NIST

Protection:
- Hardened to EMI/RFI and ESD
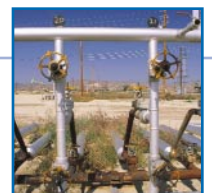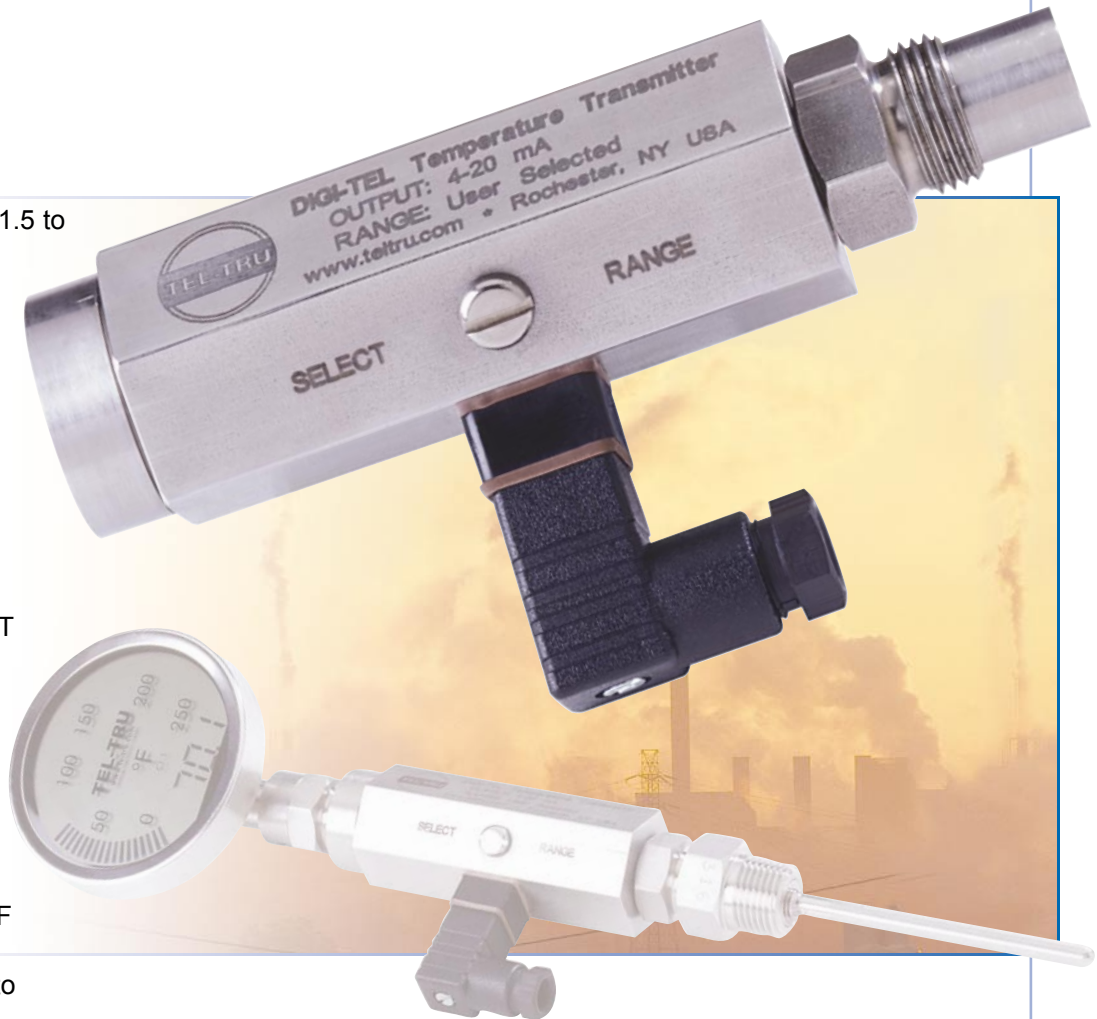- Reverse Polarity
- Over-voltage
- Short circuit protection

Environmental:

Operating temperature: -40°F to 185°F (-40°C to 80°C)

Storage temperature: -50°F to 250°F (-46°C to 120°C)

Protection: Warranted to NEMA 4/IP65

Non-Isolated

World-Class Instruments *Since 1916*

DIGI-TEL TEMPERATURE TRANSMITTER

► SPECIFICATIONS *(Cont.)*:

Mechanical:

Material: Heavy Duty Housing:
303 Stainless Steel 1¼" Hex

Connections: Modular fit with Tel-Tru
Digi-Tel sensor probes and Display modules

Electrical connection: Mini DIN 43650C
(Hirschmann type)

Weight: 15 ounces

Dimensions: 4.75 x 1.25"

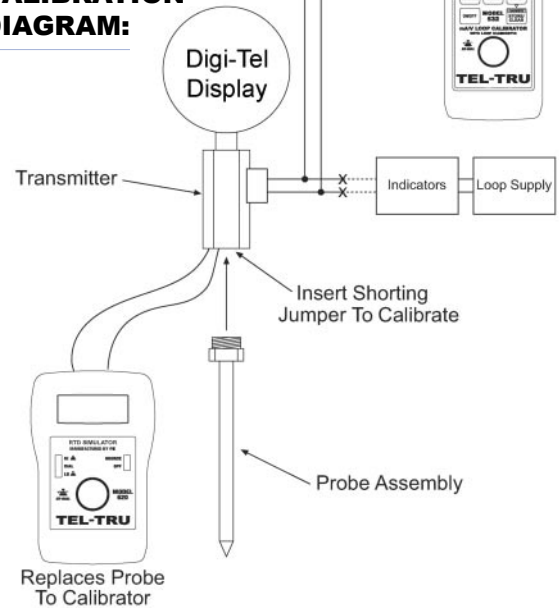## ► MODULAR DESIGN FOR USE WITH:

• Tel-Tru Digi-Tel Thermometer Modules and
Sensor Probes

• Digi-Tel Sensor probes only

• Tel-Tru Direct Mount or Remote Mount Configurations

Refer to the Tel-Tru Digital Thermometers brochure

► TEMPERATURE RANGES

Temperature Ranges User Selectable	Accuracy	Dip Switch Position	Meter Reading
-80/120 F	± 0.25%	Position 0	4.5mA
-40/160 F	± 0.25%	Position 1	5.5mA
25/125 F	± 0.25%	Position 2	6.5mA
0/250 F	± 0.25%	Position 3	7.5mA
-60/40 C	± 0.25%	Position 4	8.5mA
-40/80 C	± 0.25%	Position 5	9.5mA
0/120 C	± 0.25%	Position 6	10.5mA
0/160 C	± 0.25%	Position 7	11.5mA
-75/750 F	± 0.10%	Position 8	12.5mA
0/400 F	± 0.10%	Position 9	13.5mA
50/550 F	± 0.10%	Position A	14.5mA
150/750 F	± 0.10%	Position B	15.5mA
-60/400 C	± 0.10%	Position C	16.5mA
0/250 C	± 0.10%	Position D	17.5mA
0/300 C	± 0.10%	Position E	18.5mA
-75/1200 F or -60/650 C	± 0.10%	Position F	19.5mA

► INSTRUCTIONS:

Instructions for range selection and product calibration are shipped with the unit, and are also available online at **http://www.teltru.com/catalogs.asp**

► CALIBRATION DIAGRAM:

Digi-Tel Display

Transmitter

Insert Shorting Jumper To Calibrate

Indicators

Loop Supply

Probe Assembly

Replaces Probe To Calibrator

► HOW TO ORDER:

Digi-Tel Temperature Transmitter
Order Code **DTTT-100** DIN Connector - No cable
Order Code **DTTT-1XX** DTTT-1 with cable, for each foot of cable, add to end of code.
Ex. DTTT-106 = 6' of cable required

Digi-Tel Temperature Transmitter with ½" NPT **Conduit Connection**
Order Code **DTTT-2XX** DTTT-202 *with 2' of cable (standard)*
For each *additional* foot of cable, add to end of code.
Ex. DTTT-210 = 10' of cable required