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









DIGI-TEL TEMPERATURE TRANSMITTER

SPECIFICATIONS (Cont.):

Mechanical:

Material: Heavy Duty Housing: 303 Stainless Steel 11/4" 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

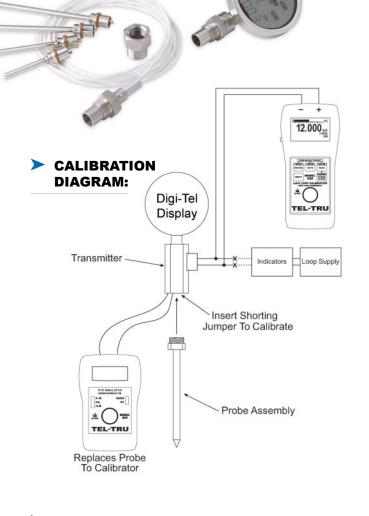
Refer to the Tel-Tru Digital Thermometers brochure

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



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 1/2" 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





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