TEL-TRU TEMPERATURE SOLUTIONS

MODEL ND3 INDUSTRIAL DIGITAL THERMOMETER

The Tel-Tru ND3 digital thermometer is designed to deliver industry-leading value. It is rugged and dependable for use in industrial applications, and is available in a wide range of configurations to meet customer needs. All models are NIST traceable and include a lifetime battery that lasts a minimum of 8 years.

FEATURES:

- Heavy duty 3" (77mm) 304SS hermetically sealed case
- Digital sensor for maximum precision
- Response rate of 1 second
- 8-year lithium battery
- Available in wide range of configurations
- High-visibility 0.4" (10mm) tall LCD display
- Serial number on each unit for identification
- NIST traceable calibration certificate available
- Factory programmable for °F or °C

SPECIFICATIONS:

Environmental

Protection:	IP67
Traceability:	NIST traceable
Operating Temp. Range:	-67°F to 302°F (-55°C to 150°C)

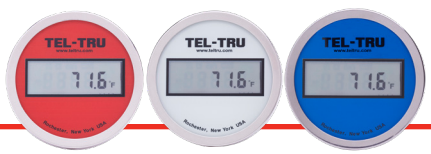
Mechanical

Probe lengths:	2.5" to 24" (6.4cm to 61cm)
Probe diameters:	1/4" (.64cm)
Probe material:	304SS (standard) or 316SS
Housing:	Heavy duty 3" (77mm) 304SS hermetically sealed case
Lens:	Glass (standard) or Polycarbonate
Digit Size:	High-visibility 4 digit, 0.4" (10mm) tall
Mounting Type:	Adjustable Angle, Back Connect, Bottom Connect
Connection fittings:	½" NPT, 1/2" NPT Union, ½" BSPT, or plain bushing
Ambient Temp. Range:	20°F to 120°F (-7°C to 49°C)
Battery:	8-year lithium battery*
Warranty;	2 years from shipment

Electrical

Sensor:	High-precision digital temperature sensor
Accuracy:	±0.1 °F/C (maximum) from -4°F to 122°F (-20°C to 50°C) ±0.2 °F/C (maximum) from -40°F to 212°F (-40°C to 100°C) ±0.3 °F/C (maximum) from -67°F to 257°F (-55°C to 125°C) ±0.4 °F/C (maximum) from -67°F to 302°F (-55°C to 150°C)
Display Resolution:	0.1°F/C
Refresh Rate:	1 second

Available in three colors



**Battery life expectancy is 8 years at normal room temperature.*

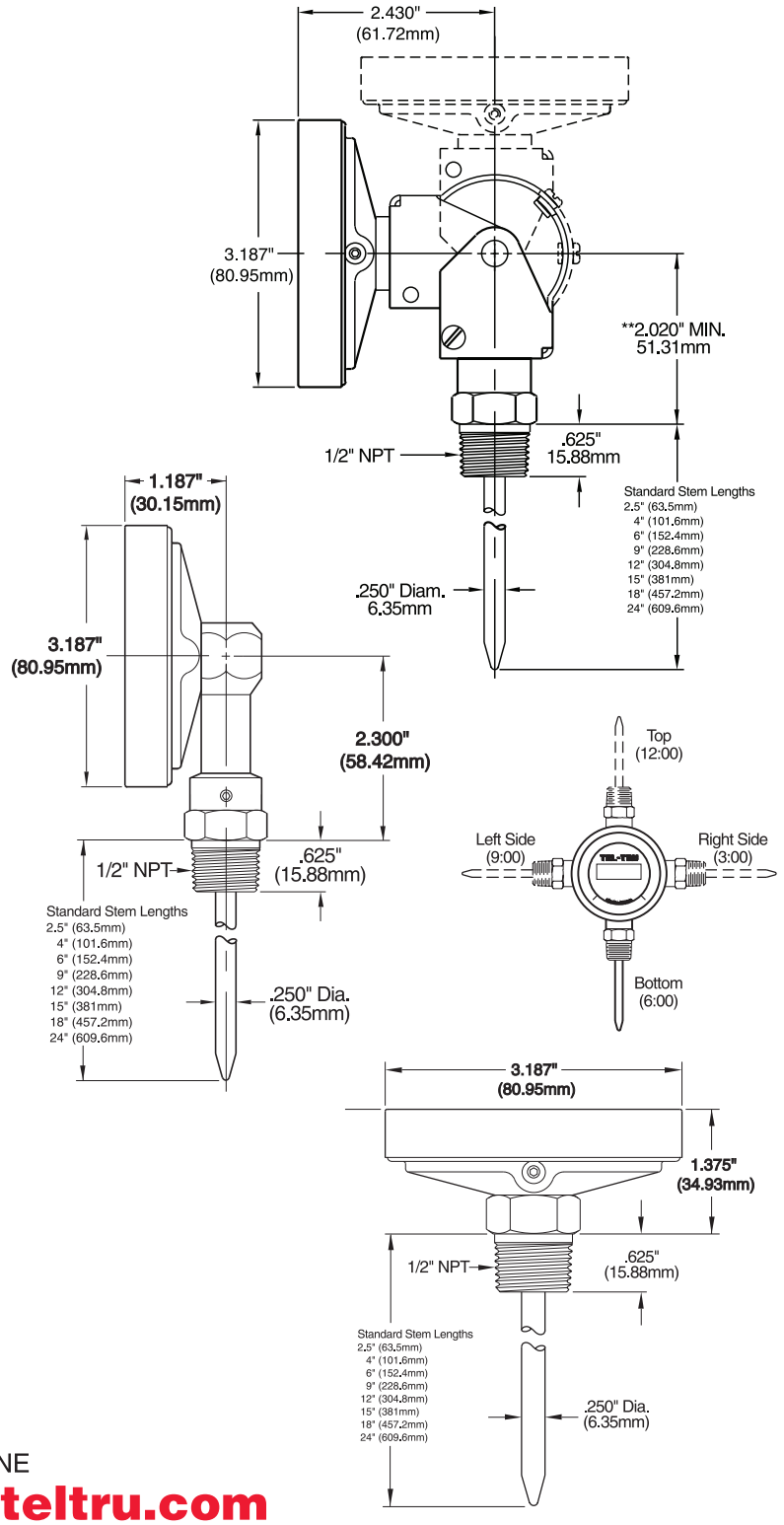
HOW TO ORDER:

A	**Case Size and Mounting - Industrial**	
	ND3AX	3" Adjustable Angle
	ND3BX	3" Back Connect
	ND3CX	3" Bottom Connect at 6:00 Position
	ND3DX	3" Right Connect at 3:00 Position
	ND3EX	3" Left Connect at 9:00 Position
	ND3FX	3" Top Connect at 12:00 Position
B	**Range**	
	DV1	-67/302ºF
	DZ1	-55/150ºC
C	**Lens Color**	
	1W	White dial
	1B	Blue dial
	1R	Red dial
D	**Lens Material**	
	1	Glass (Std)
	3	Polycarbonate
E	**Probe Type and Diameter**	
	P12	304SS Blunt (Std), .250" Diameter
	P22	316SS Blunt, .250" Diameter
	P43	304SS Stem .375" with .250" Stepped Pointed Tip
F	**Probe Length***	
	02	2.5"
	04	4"
	06	6"
	09	9"
	12	12"
	15	15"
	18	18"
	24	24"
G	**Connection**	
	Available for probe types P12 and P22	
	6	1/2" NPT
	2	1/2" NPT Union
	7	1/2" BSPT
	4	Plain Bushing
	Available for probe type P43	
	6	1/2" NPT

**Probe type P43 requires probe length of 6" or longer.*

Ordering Example: *Model ND3, 3" Bottom Connect (6:00), range -67/302°F, blue glass lens, probe 304SS blunt, .250" diameter, 6" length, ½" NPT connection*

A					B			C		D		E			F		G
N	D	3	C	X	D	V	1	1	B	1	-	P	1	2	0	6	6



APPLICATIONS:

- Oil and Gas
- Pharmaceutical/Biotech
- Petrochemical
- Water/Wastewater Processing
- HVAC
- Equipment Skids
- General Industrial

TEL-TRU® TEMPERATURE SOLUTIONS

SHOP ONLINE
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TRACEABLE TO NIST

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