



TEL-TRU MANUFACTURING COMPANY

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: 1/2" NPT, 1/2" NPT Union, 1/2" 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

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



Available in three colors



Tel-Tru Manufacturing Company

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ISO 9001:2015

➤ 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	-67/302°F
	DZ1	-55/150°C
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
<i>Available for probe types P12 and P22</i>		
6		1/2" NPT
2		1/2" NPT Union
7		1/2" BSPT
4		Plain Bushing
<i>Available for probe type P43</i>		
6	1/2" NPT	

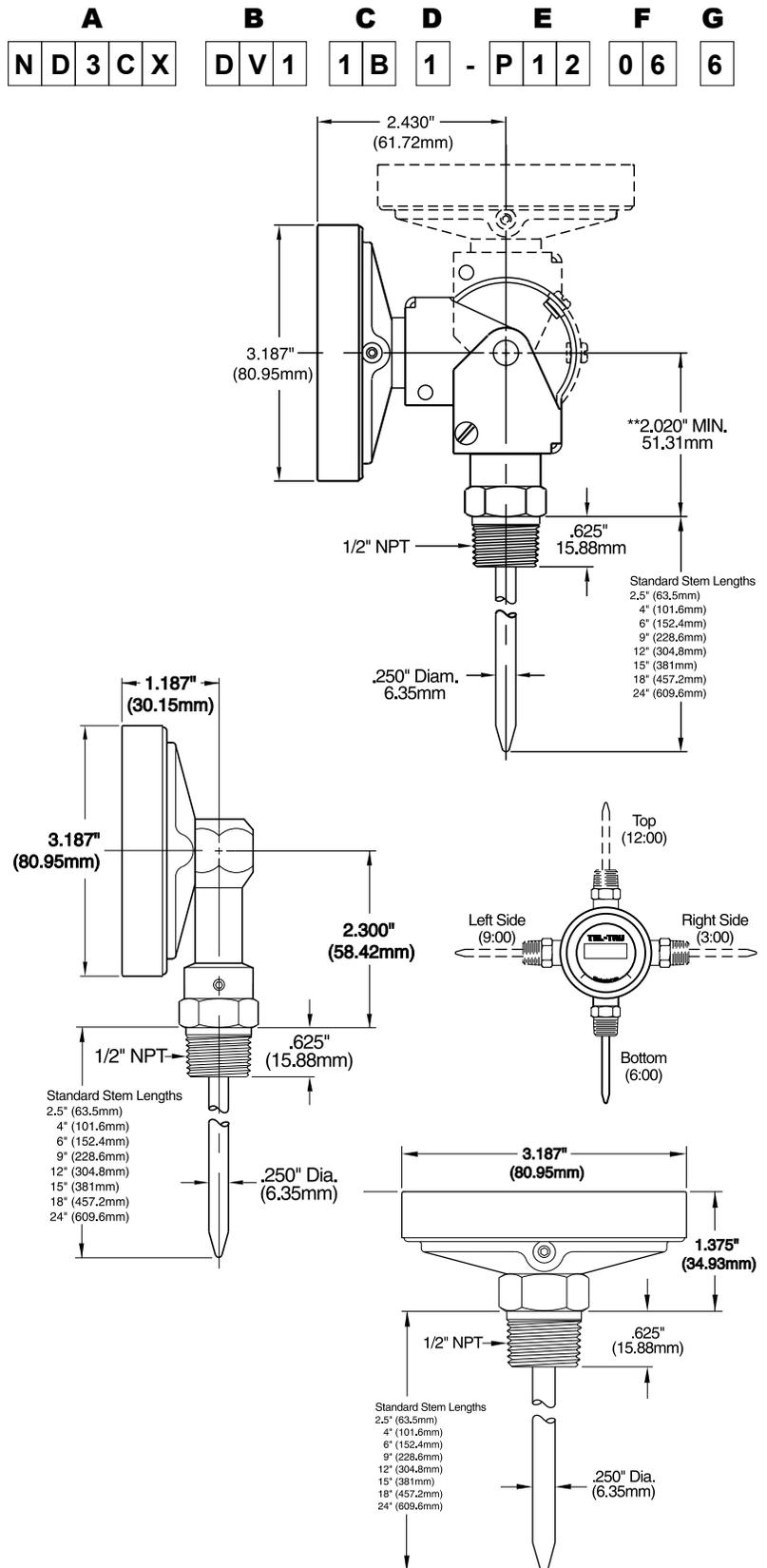
*Probe type P43 requires probe length of 6" or longer.

➤ APPLICATIONS:

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



Ordering Example: Model ND3, 3" Bottom Connect (6:00), range -67/302°F, blue glass lens, probe 304SS blunt, .250" diameter, 6" length, 1/2" NPT connection



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