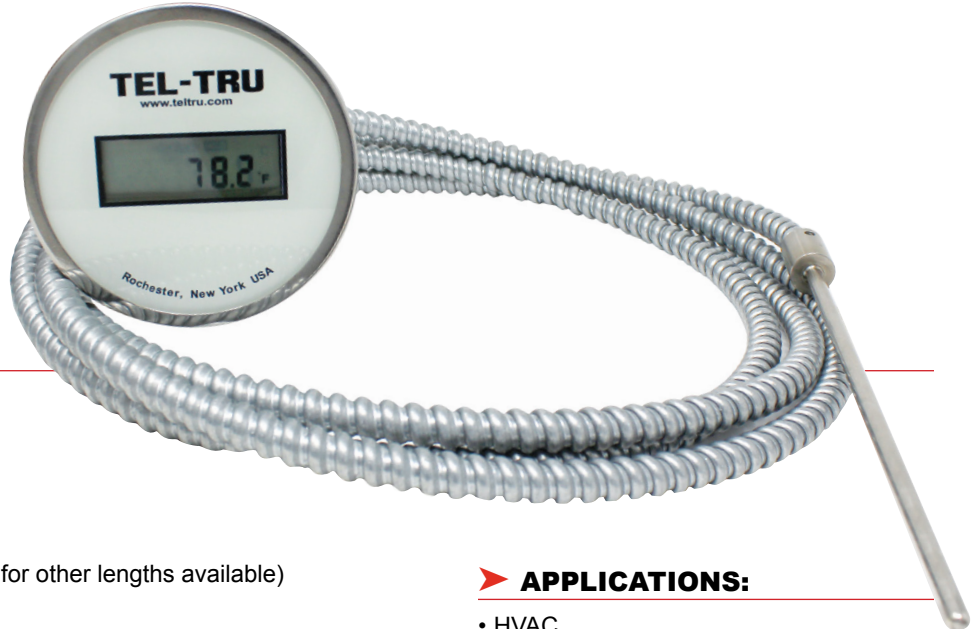# TEL-TRU MANUFACTURING COMPANY
MODEL RD3 AND RD4 INDUSTRIAL DIGITAL THERMOMETERS

The Tel-Tru Digi-Tru™ RD3 and RD4 digital thermometers are designed to deliver industry-leading value. They are rugged and dependable for use in industrial applications, and are available in a wide range of configurations to meet customer needs. All models include a robust battery that lasts a minimum of eight years. *

➤ FEATURES:

- Heavy duty 3" (77mm) or 4" (102mm) 304SS case
- Digital sensor for maximum precision
- Response rate of 1 second
- 8-year lithium battery *
- High-visibility 0.4" (10mm) tall LCD display
- Serial number on each unit for identification
- NIST traceable calibration cert. available
- Factory programmable for °F or °C
- Ideal for replacing Gas Actuated and Vapor Tension thermometers

➤ SPECIFICATIONS:

Environmental

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

Mechanical

Probe length:	8" probe (contact factory for other lengths available)
Probe diameter:	.250" (.64cm)
Probe material:	304SS
Housing:	RD3: Heavy duty 3" (77mm) 304SS case
	RD4: Heavy duty 4" (102mm) 304SS case
Lens:	Glass (standard) or Polycarbonate
Digit Size:	High-visibility 4 digit, 0.4" (10mm) tall
Mounting Type:	U Clamp
Connection fitting:	½" NPT Sliding Compression Fitting
Cable:	Armored flexible conduit (zinc-plated)
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

➤ APPLICATIONS:

- HVAC
- OEM Configurations
- General Industrial

Available in three colors

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

Ordering Example: *Model RD4, 4" Remote Connect, -67/302°F, blue glass lens, probe 304SS blunt, .250" diameter, 8" probe length, Sliding compressing fitting to ½" NPT connection, Armored (zinc-plated steel) 10' cable*

A		B	C	D	E		F	G	H	I	
R D 4 G X		D V 1	1 B	1	- P 1 2		0 8	8	- C 5	0 1 0	

A	**Case Size and Mounting**	
	RD3GX	3" Remote Mount
	RD4GX	4" Remote Mount
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
F	**Probe Length**	
	08	8"
G	**Connection**	
	8	Sliding Compression Fitting to 1/2" NPT
H	**Shielding**	
	-C5	Armored cable, zinc-plated steel
I	**Cable Length**	
	005	5' Cable
	010	10' Cable

Panel Hole Diameter
RD3 = 2-7/8" to 3-1/16"
RD4 = 3-5/8" to 3-3/4"

.95"

1/2" NPSM Connection (303SS) w/Lock Nut

.25" Probe (304SS) Overall length 8"

1.75"

Flexible Conduit, 5', 10' (zinc-plated steel)

1/2" NPT Sliding Compression Fitting (SS)

1.01"

Installation Length

Mounting Bracket (304SS)

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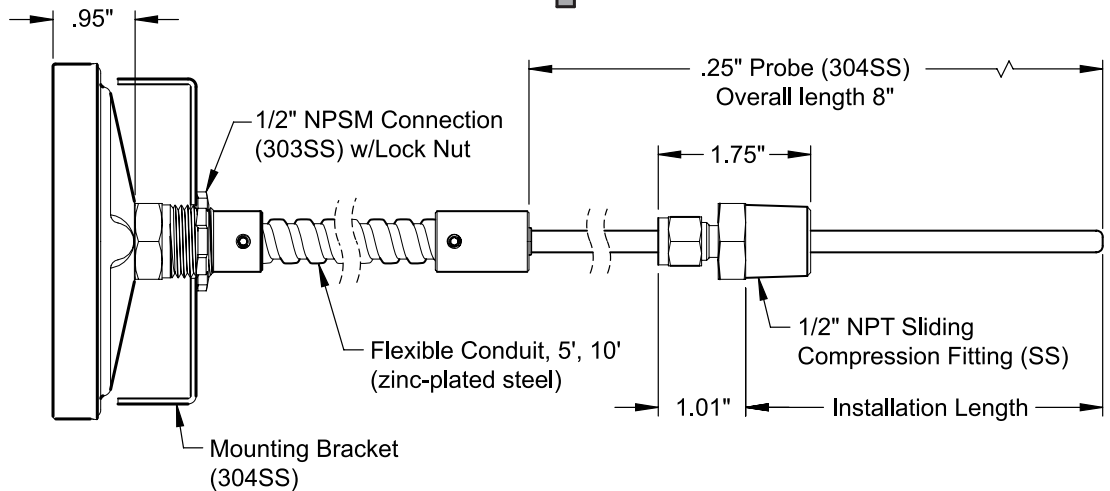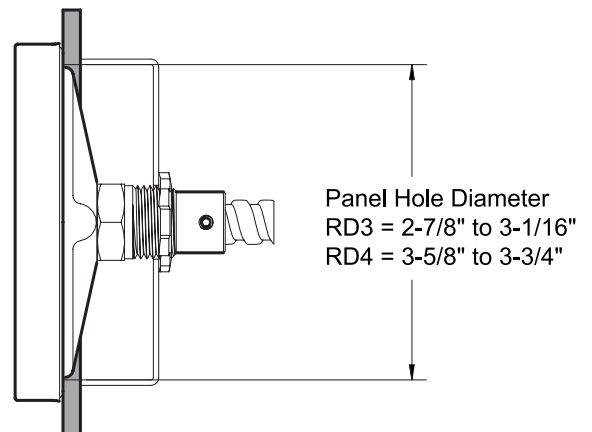
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