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PRESSURE  
ANALYTICAL  
TEMPERATURE  
INSTRUMENTATION  
PASTEURIZATION CONTROLS

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## "DTG" Digital Temperature Gauge

- *Ideal replacement for Mercury-In-Glass thermometers*
- *Models and fittings for Dairy, Fluid Food and Beverage Applications*
- *Operates on field replaceable batteries; DC switching version available*
- *Large Liquid Crystal Display makes viewing easy and repeatable*
- *All models offer field calibration capability*

The Anderson DTG Digital Temperature Gauge carries on the tradition of accurate and reliable electronic temperature indication, while incorporating many new features tailored to a growing industry.

This "next generation" product provides high accuracy temperature monitoring in an operator friendly simple to read design. The DTG also offers new options for remote mounting as well as high and low switches for critical applications where user-defined setpoints can be easily programmed.

The battery-operated version can be ordered with or without a secondary 100 ohm 3-wire RTD. The secondary RTD option is ideal in applications that require local indication, as well as remote recording. As only one vessel penetration is required, a cost savings can be realized.

The DC powered version supplies two (2) SPST low voltage contacts assigned to the adjustable setpoints. An optional remote relay module is available that provides SPDT relays rated 6 amps at 250 VAC.

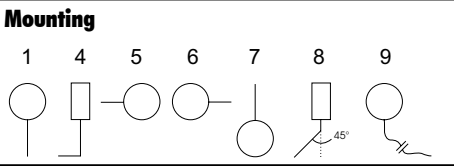
All models feature simple field calibration for fine tuning to the plant reference standard. As such, the DTG makes a perfect and cost-effective replacement for any mechanical thermometer, from bi-metals to mercury-in-glass. With resolution to a tenth of a degree, the DTG takes the guesswork out of reading dials and mercury columns.

Complete specifications and ordering information are available on the reverse. For additional information please visit us on the web at [www.andinst.com](http://www.andinst.com), or contact your local Authorized Anderson Distributor.



# DTG Digital Thermometer Complete Product Ordering Matrix

STYLE	DISPLAY UNITS	MOUNTING	FITTING/INSERTION	REMOTE DISPLAY CABLE LENGTH	CABLE LENGTH	PROBE
0 Standard Thermometer	0 Deg F	1 Bottom	001-013 1/2" Tri-Clamp® 1-1/4"	0 None	00 None (style 0 or 5)	0 Standard probe
1 Thermometer w/ Optional RTD	1 Deg C	4 Back (90° elbow)	002-037 3/4" Tri-Clamp® 2-3/4"	5 5' (style 5)	02 10' (style 1, 2 or 2 w/AC module)	(choose for projectile well fittings)
2 Thermometer w/Dual Switches(DC power /SPST)**		5 Left	004-037 1-1/2" Tri-Clamp® 2-3/4"	6 10' (style 5)	04 20' (style 1, 2 or 2 w/AC module)	
5 Remote Display Thermometer (must order mounting style 9)		6 Right	005-049 2" Tri-Clamp® 3-1/2"	7 15' (style 5)	06 30' (style 1, 2 or 2 w/AC module)	
		7 Top	006-049 2-1/2" Tri-Clamp® 3-1/2"	8 20' (style 5)	08 40' (style 1, 2 or 2 w/AC module)	
		8 Back (45° elbow)	007-053 3" Tri-Clamp® 3-3/4"		10 50' (style 1, 2 or 2 w/AC module)	
		9 Remote Display - Bottom Cable Exit	008-065 4" Tri-Clamp® 4-1/2"		15 75' (style 1, 2 or 2 w/AC module)	
			010-031 1-1/2" APC "K" 2-3/8"		20 100' (style 1, 2 or 2 w/AC module)	
			011-730 2" APC "K" 2-25/32"			1 Heavy duty probe*
			016-031 1-1/2" Cherry-Burrell "I" 2-3/8"			(recommended for lengths over 6")
			017-730 2" Cherry-Burrell "I" 2-25/32"			
			027-044 1-1/2" G&H "H" Line (male) 3 3/16"			
			028-056 2" G&H "H" Line (male) 3-15/16"			
			032-033 1-1/2" Cherry "Q" 2-1/2"			
			033-049 2" Cherry "Q" 3-1/2"			
			044-029 1-1/2" #14 Bevel Seat (with 13 H nut) 2-1/4"			
			045-035 2" #14 Bevel Seat (w/ nut) 2-5/8"			
			060-221 Umbrella 14-1/4"			
			060-360 Umbrella 22-15/16"			
			060-435 Umbrella 27-5/8"			
			060-532 Umbrella 33-11/16"			
			060-680 Umbrella 42-15/16"			
			061-077 Split Ferrule 5-1/4"			
			100-049 Projectile Well 3-1/2"			
			101-091 Projectile Well 6-1/8"			
			062-139 Projectile Well 9-1/8"			
			063-161 Projectile Well 10-1/2"			
			064-187 Projectile Well 12-1/8"			
			084-033 Bi-Metal Well 1/2" NPT 2-1/2"			
			084-057 Bi-Metal Well 1/2" NPT 4"			
			084-089 Bi-Metal Well 1/2" NPT 6"			
			084-137 Bi-Metal Well 1/2" NPT 9"			
			084-185 Bi-Metal Well 1/2" NPT 12"			
			084-233 Bi-Metal Well 1/2" NPT 15"			
			084-281 Bi-Metal Well 1/2" NPT 18"			
			084-377 Bi-Metal Well 1/2" NPT 24"			



\* Heavy Duty Probes with 3/4" Dia., insertion lengths from 3-1/2" to 43-1/2" available for standard fittings, Tri-Clamp®, Cherry "I", Bevel Seat and Umbrella Consult factory for other fittings.

\*\* For AC Relays, order remote relay module# PM0606004

## DTG Specifications:

Compliance:	3-A, NEMA 4X, IP-66
Product Contact Material:	Fitting & Probe: 316L SS
Product Contact Finish:	R <sub>a</sub> max = 32 micro inches
Non-Product Contact Surface:	Housing - 304 SS Lens - Polysulfone
Process Temp. Range:	0 to 300°F (-18 to 150°C)
Units:	Deg F and Deg C; field selectable
Resolution:	0.1°F or °C
Accuracy:	+/- .75°F (+/-0.4°C)
Repeatability:	+/-0.2% of full scale (+/-0.6°F)
Ambient Operating Limits:	40 to 140°F (4.4 to 60°C)
Ambient Temp. Stability:	Better than 0.1°C per 10°C ambient shift
Storage Temp.:	32 to 140°F (0 to 65°C)
Display:	LCD: 4 digit main display, 6 digit secondary; 0.9" high contrast LCD

Internal Switch Rating:	1 amp at 24 VDC SPST
Remote Relay Rating:	6 amp at 250 VAC SPDT
Power:	2 AA Industrial Grade Batteries (Style 0,1,5) 9-30V DC external supply (Style 2)
Battery Life:	Style 0,1,5: 12 month minimum Style 2: Externally powered
Vibration:	10 to 60 Hz, 2g
Warranty:	2 year
Secondary Output:	Additional 100 ohm RTD, 3 wire DIN, wire via quick disconnect fitting (Style 1)
Display Update:	3 seconds
Calibration Adjustment:	Via onboard switches