



FLOW  
LEVEL  
PRESSURE  
ANALYTICAL  
TEMPERATURE  
INSTRUMENTATION  
PASTEURIZATION CONTROLS



## "DTG" Digital Temperature Gauge

- *Models and fittings specifically designed for Pharmaceutical and Biotech 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*
- *All programming and adjustments behind tamper-resistant back plate*

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 for 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.

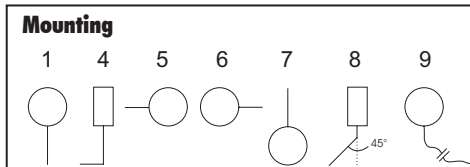
All models feature simple field calibration for fine tuning to the plant reference standard. As such, the DTG makes a perfect and cost-effective replacement for any mechanical thermometer, from bi-metals to mercury-in-glass. With resolution to a tenth of a degree, the DTG takes the guesswork out of reading dials and mercury columns. And, because it's an Anderson Pharmaceutical Series, you get the added value of all 316 "L" electropolished wetted parts, customer specified permanent tagging, a certificate of calibration, and CMTRs with every unit at no additional cost.

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.



# Pharmaceutical DTG Digital Thermometer Complete Product Ordering Matrix

<b>STYLE</b> 0 Standard Thermometer 1 Thermometer w/ Optional RTD 2 Thermometer w/Dual Switches(DC power /SPST)** 5 Remote Display Thermometer (must order mounting style 9)		<b>DISPLAY UNITS</b> 0 Deg F 1 Deg C		<b>MOUNTING</b> 1 Bottom 4 Back (90° elbow) A Back (90° adjustable elbow) 5 Left† 6 Right† 7 Top† 8 Back (45° elbow) 9 Remote Display - Bottom Cable Exit		<b>FITTING/INSERTION</b> 001-013 1/2" Tri-Clamp® 1-1/4" 002-037 3/4" Tri-Clamp® 2-3/4" 004-037 1-1/2" Tri-Clamp® 2-3/4" 005-049 2" Tri-Clamp® 3-1/2" 006-049 2-1/2" Tri-Clamp® 3-1/2" 007-053 3" Tri-Clamp® 3-3/4" 008-065 4" Tri-Clamp® 4-1/2" 010-031 1-1/2" APC "K"† 2-3/8" 011-730 2" APC "K"† 2-25/32" 016-031 1-1/2" Cherry-Burrell "I" 2-3/8" 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"		062-139 Projectile Well(41247) 9-1/8" 063-161 Projectile Well(41280)† 10-1/2" 064-187 Projectile Well(41279)† 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"	
		<b>REMOTE DISPLAY CABLE LENGTH</b> 0 None 5 5' (style 5) 6 10' (style 5) 7 15' (style 5) 8 20' (style 5)		<b>CABLE LENGTH</b> 00 None (style 0 or 5) 02 10' (style 1, 2 or 2 w/AC module) 04 20' (style 1, 2 or 2 w/AC module) 06 30' (style 1, 2 or 2 w/AC module) 08 40' (style 1, 2 or 2 w/AC module) 10 50' (style 1, 2 or 2 w/AC module) 15 75' (style 1, 2 or 2 w/AC module) 20 100' (style 1, 2 or 2 w/AC module)		<b>PROBE</b> 0 Standard probe (choose for projectile well fittings) 1 Heavy duty probe* (recommended for lengths over 6")			



\* 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

† Sensors with these fittings are non-cancellable/non-returnable for credit.

## DTG Specifications:

Compliance: 3-A, NEMA 4X, IP-66  
 Product Contact Material: Fitting & Probe: 316L SS  
 Product Contact Finish:  $R_a$  max = 8 micro inches, Electropolished  
 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  
 10 to 60 Hz, 2g  
 Vibration: 2 year  
 Warranty: Additional 100 ohm RTD, 3 wire  
 Secondary Output: DIN, wire via quick disconnect fitting (Style 1)  
 Display Update: 3 seconds  
 Calibration Adjustment: Via onboard switches