



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, or contact your local Authorized Anderson Distributor.



Pharmaceutical DTG Digital Thermometer Complete Product Ordering Matrix



STYLE

- 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)

DISPLAY UNITS

- 0 Deg F
- 1 Deg C

MOUNTING

- 1 Bottom
- 4 Back (90° elbow)
- 5 Left
- 6 Right
- 7 Top
- 8 Back (45° elbow)
- 9 Remote Display - Bottom Cable Exit

FITTING/INSERTION

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"

100-049	Projectile Well	3-1/2"	1-1/4" 18UNEF IAMD Nut Industrial Well
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"	

REMOTE DISPLAY CABLE LENGTH

- 0 None
- 5 5' (style 5)
- 6 10' (style 5)
- 7 15' (style 5)
- 8 20' (style 5)

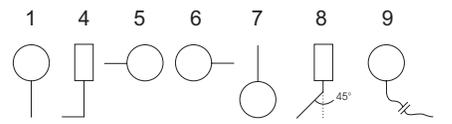
CABLE LENGTH

- 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)

PROBE

- 0 Standard probe (choose for projectile well fittings)
- 1 Heavy duty probe* (recommended for lengths over 6")

Mounting



* 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
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