

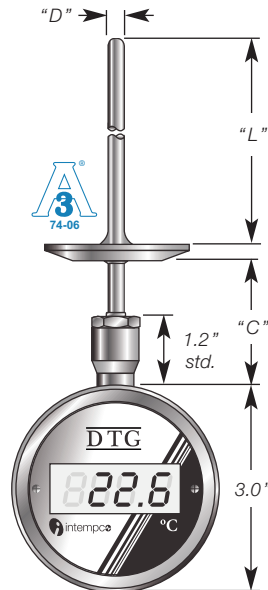
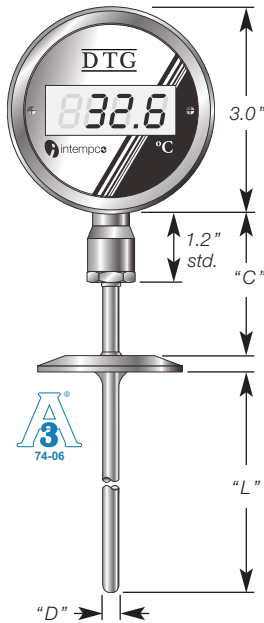
DTG41 Series

Sanitary Digital Temperature Gauges
w/programmable 4-20 mA and RTD or Relay Output

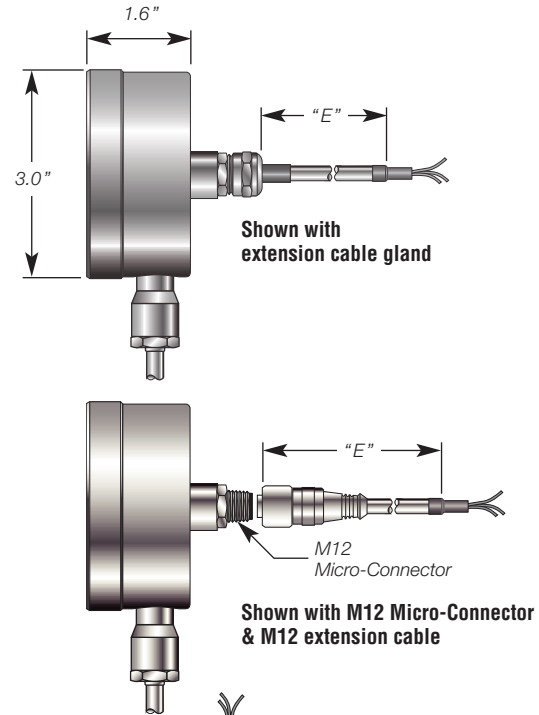


Dimensions & Mounting Options

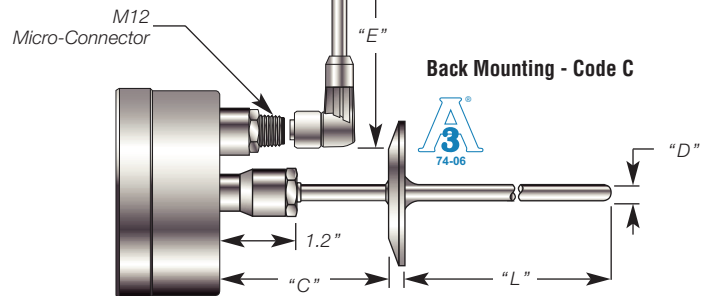
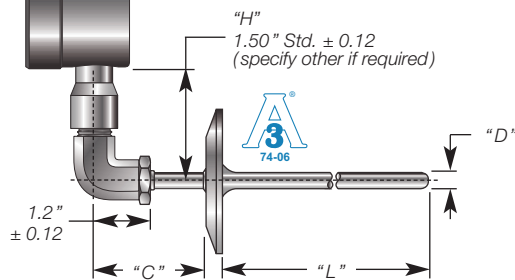
Top Mounting - Code A



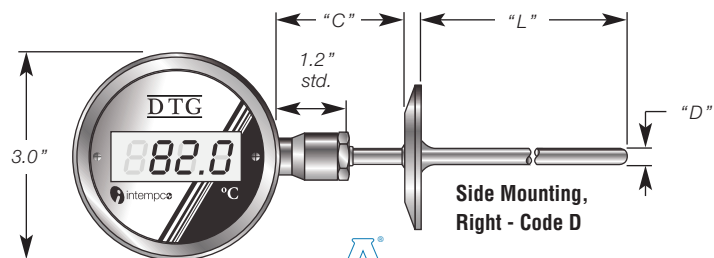
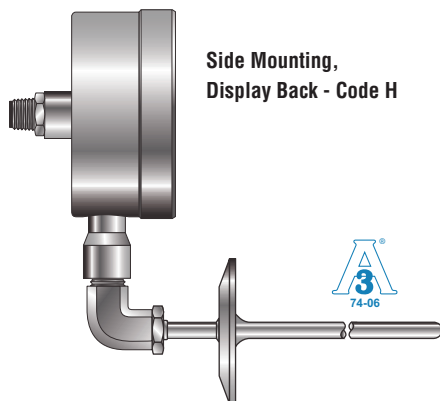
Bottom Mounting - Code B



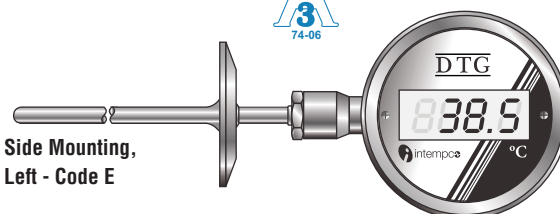
Side Mounting,
Display Front - Code G



Side Mounting,
Display Back - Code H



Side Mounting,
Left - Code E



DTG41 Series

Sanitary Digital Temperature Gauges
w/programmable 4-20 mA and RTD or Relay Output



Custom Builder

MODEL 1 2 3 4 5 6 7 8 9 10 11 12

DTG41 - - - - - - - - - - - -

BOX1 CODE	Model Range
L	Low Temp. -50 to 200°C (-58/392°F)
H	High Temp. -200 to 600°C (-328/1112°F)

* Code **L** & **H** represent max. temperature limits of sensor construction..

BOX2 CODE	Output Type
0	No Outputs, indicator only
C1	4-20 mA, source 3-wire
C2	4-20 mA + Relay SPDT
C3	4-20 mA + NPN Transistor
C4	4-20 mA + PNP Transistor
C5	4-20 mA + RTD 3-wire
D1	Relay SPDT
D2	NPN Transistor
D3	PNP Transistor
A3	Pt 100 Ohm @ 0°C (±0.15°C) α = 0.00385 DIN EN 60751 Class A (±0.06%), 3-wire

Notes:

- DTGs are factory calibrated to an accuracy of ±0.25% of span or better.
- For 4-20 mA output temperature ranges, indicate desired values in °C or °F (display units) after the completed p/n. See web site www.intempco.com.
- For control/alarm output option, indicate set point, reset point, and mode type after the completed p/n. See web site www.intempco.com.
- Order **DTG PKIT** to set-up, re-program and re-calibrate in the field.

Ex. DTG41-C2-D-S-065-N20-S12S-PV-060-SF-A
Range 4-20 mA = 0/100 °C

Set point = 75 °C, Reset = 72 °C

Mode: N/O, Close on Temperature Rising

BOX3 CODE	Probe Diameter “ D ”	
D	1/4 ”	
F	3/8 ”	
H	1/2 ”	
CODE	Sheath O.D.	Tip O.D.
DB	1/4 ”	1/8 ”
FC	3/8 ”	3/16 ”
HC	1/2 ”	3/16 ”
HD	1/2 ”	1/4 ”
JD	5/8 ”	1/4 ”

Other diameters available. Consult factory.

BOX4 CODE	Probe Material
S	Stainless steel 316/316L

Other materials available. Consult factory.

BOX5 CODE	Probe Length "L"
---	In 0.1" increments Ex.: 065 = 6.5" long

BOX6 CODE	Extension Length "C"
N --	In 0.1" increments (2.0" Std.) Ex.: N20 = 2.0" long

BOX8 CODE	Process Fitting Type / Size
T10	Hygienic clamp union, 1"
T15	Hygienic clamp union, 1.5"
T20	Hygienic clamp union, 2"
T25	Hygienic clamp union, 2.5"
T30	Hygienic clamp union, 3"
A**	Cherry-Burrell (16A1-141), male std.
B**	Cherry-Burrell (16A1-141), female
C**	Bevel Seat (16A) with 13H nut
D**	Bevel Seat (16A) without nut
E**	Bevel Seat (16A) female
F**	John Perry (JP16A) with 13H nut
G**	John Perry (JP16A) without nut
**	10 = 1" 20 = 2" 30 = 3" 15 = 1.5" 25 = 2.5"

Other fittings available. See www.intempco.com & consult factory.

BOX9 CODE	Extension: Connector/Cable Type
MC	M12 Micro-Male Connector
PV	PVC insulation, 90°C (195°F) max.
SL	Silicone insulation, 180°C (356°F) max.
TF	Teflon® insulation, 200°C (392°F) max.
TP	Teflon® with SS armor and polyolefin shrink, 90°C (195°F) max.
TT	Teflon® with SS armor and Teflon® shrink, 200°C (392°F) max.
Note : 1. Leads "E" length 12" and less are single conductor Teflon® insulation, 22 AWG	

BOX10 CODE	Extension Cable Length "E" (MC option)
N	No Cable
SA2	Sanitary Molded Straight, 2 meters
SA5	Sanitary Molded Straight, 5 meters
SB2	Sanitary Molded Right Angle, 2 meters
SB5	Sanitary Molded Right Angle, 5 meters
BOX10 CODE	Extension Cable Length "E" (Cable option)
---	In inches Ex.: 060 = 60" long

BOX11 CODE	Surface Finish
SF	32 μ-in (0.8 μm) Ra max. or better
F1	20 μ-in (0.5 μm) Ra max. w/o EP
F4	15 μ-in (0.4 μm) Ra max. with EP

BOX12 CODE	Mounting Options
A	Top Mounting
B	Bottom Mounting
C	Back Mounting
D	Side Mounting, right
E	Side Mounting, left
G	Side Mounting, Display Front
H	Side Mounting, Display Back