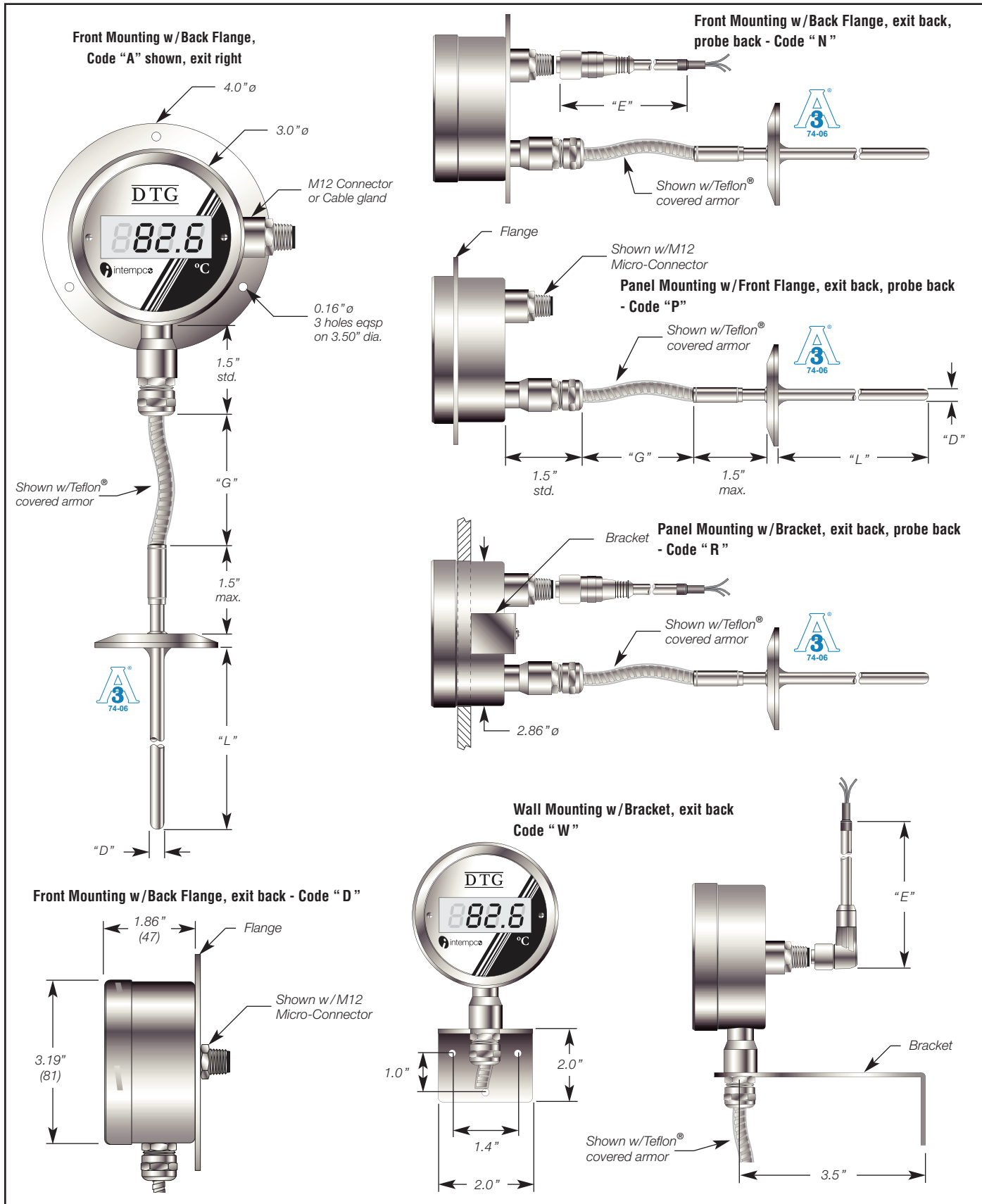


DTG42 Series

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



Dimensions & Mounting Options



DTG42 Series

Sanitary Digital Temperature Gauges w/ Remote Probe
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

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| BOX 1 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..

| BOX 2 CODE | Output Type |
|------------|--|
| 0 | No Outputs, indicator only |
| C1 | 4-20mA, source 3-wire |
| C2 | 4-20mA + Relay SPDT |
| C3 | 4-20mA + NPN Transistor |
| C4 | 4-20mA + PNP Transistor |
| C5 | 4-20mA + 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 4-20mA 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. DTG42-C2-D-S-065-N20-S12S-PV-060-SF-A
Range 4-20mA = 0/100°C
Set point = 75°C, Reset = 72°C
Mode: N/O, Close on Temperature Rising

| BOX 3 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.

| BOX 4 CODE | Probe Material |
|------------|--------------------------|
| S | Stainless steel 316/316L |

Other materials available. Consult factory.

| BOX 5 CODE | Probe Length "L" |
|------------|---|
| --- | In 0.1" increments Ex.: 065 = 6.5" long |

| BOX 6 CODE | Remote Probe Cable Type and Length "G" |
|------------|--|
| 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. |

Dim. "G" in inch increments. ex: "TT120" = 120" Long

| BOX 8 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" Codes A to G are COP (Clean Out of Place) |

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

| BOX 9 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

| BOX 10 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 |

| BOX 10 CODE | Extension Cable Length "E" (Cable option) |
|-------------|---|
| --- | In inches Ex.: 060 = 60" long |

| BOX 12 CODE | Surface Finish |
|-------------|----------------------------------|
| SF | 32µ-in (0.8µm) Ra max. or better |
| F1 | 20µ-in (0.5µm) Ra max. w/o EP |
| F4 | 15µ-in (0.4µm) Ra max. with EP |

| BOX 12 CODE | Mounting Options |
|-------------|---|
| A | Front mtg. w/ back flange, exit right |
| B | Front mtg. w/ back flange, exit left |
| C | Front mtg. w/ back flange, exit up |
| D | Front mtg. w/ back flange, exit back |
| N | Front mtg. w/ back flange, exit back, probe back |
| P | Panel mtg. w/ front flange, exit back, probe back |
| R | Panel mtg. w/ bracket, exit back, probe back |
| W | Wall mtg. w/ bracket, exit back |