

A COMPLETE SOLUTION

DIGITAL TEMPERATURE GAUGES



DTG SANITARY SERIES

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The DTG Digital Temperature Gauges provide a complete solution for sanitary temperature monitoring and indicating applications. Easy installation with various mounting configurations available.

- Large 4-digit LED or LCD display
- Programmable linearized 4-20 mA signal output
- 5-year battery life (LCD model only)
- Available with 3-A industrial or sanitary fittings
- Field reprogrammable with PC interface module and software
- All Stainless Steel 316 construction



BESTOBELL
AQUATRONIX
SINCE / DEPUIS 1953

DTG31



The **DTG31** gauge is a top mount with mini sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1/2" or 3/4" hygienic fittings for direct process temperature measurement. Three surface finishes are offered including electro polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LED display
- Available display in °C or °F
- 4-20mA output calibrated to customer specified temperature range
- Security tracking for re-programming and re-calibration
- Accuracy of $\pm 0.20^{\circ}\text{C}$ or better over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Utilizes Pt-100 Ohm Class A RTD element
- Probe & fitting highly polished
- Sanitary fittings sizes available are 1/2" & 3/4"
- Available with M12 Micro-male connector or cable gland
- Rated IP67 / NEMA 4X

DTG32



The **DTG32** gauge is a back mount with mini sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1/2" or 3/4" hygienic fittings for direct process temperature measurement. Three surface finishes are offered including electro polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LED display
- Available display in °C or °F
- 4-20mA output calibrated to customer specified temperature range
- Security tracking for re-programming and re-calibration
- Accuracy of $\pm 0.20^{\circ}\text{C}$ or better over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Utilizes Pt-100 Ohm Class A RTD element
- Probe & fitting highly polished
- Sanitary fittings sizes available are 1/2" & 3/4"
- Available with M12 Micro-male connector or cable gland
- Rated IP67 / NEMA 4X

DTG34



The **DTG34** gauge is a top mount with a standard Tri-Clamp sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1" or larger hygienic fittings for direct process temperature measurement. Three surface finishes are offered including high electro-polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LED display
- Available display in °C or °F
- 4-20mA output calibrated to customer specified temperature range
- Security tracking for re-programming and re-calibration
- Accuracy of $\pm 0.20^{\circ}\text{C}$ or better over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Utilizes Pt-100 Ohm Class A RTD element
- Probe & fitting highly polished
- Sanitary fittings sizes 1", 1.5", 2", 2.5", 3"
- Available with M12 Micro-male connector or cable gland
- Rated IP67 / NEMA 4X

DTG38



The **DTG38** gauge is a back mount with a standard Tri-Clamp sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1" or larger hygienic fittings for direct process temperature measurement. Three surface finishes are offered including high electro-polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LED display
- Available display in °C or °F
- 4-20mA output calibrated to customer specified temperature range
- Security tracking for re-programming and re-calibration
- Accuracy of $\pm 0.20^{\circ}\text{C}$ or better over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Utilizes Pt-100 Ohm Class A RTD element
- Probe & fitting highly polished
- Sanitary fittings sizes 1", 1.5", 2", 2.5", 3"
- Available with M12 Micro-male connector or cable gland
- Rated IP67 / NEMA 4X

DTG41



The **DTG41** gauge is customer configurable for various sanitary applications. It is available as a top, back, bottom and side mount. Outputs available are analog and switching types. Sanitary fittings of various types and sizes are available. Offered are many probe diameters and probe types. Three surface finishes are offered including high electro-polished (EP). For electrical connection, cable or M12 connector are available.

- All 316 stainless construction
- LED display, 4-20mA output
- Available display in °C or °F
- Available in top mount, bottom mount, side mount, back mount
- Calibrated outputs to customer specified temperature range
- Optional fully programmable switch output and optional additional 3-wire RTD output
- Accuracy over the entire range is $\pm (0.2 + 0.001 \times T) ^\circ\text{C}$
- Operating temperature range -200 to 600°C (-328 to 1112°F)
- Probe diameters available in 1/4", 3/8", 1/2" as std.
- Available in Hygienic clamp union, Cherry-Burrell, Bevel Seat(16A), John Perry(JP16A)
- Available with M12 connector or cable gland
- Rated IP67 / NEMA 4X

DTG42



The **DTG42** gauge is customer configurable for remote display via a cable between the probe and housing. It is available as a panel or a bracket mount. Outputs available are analog and switching types. Sanitary fittings of various types and sizes are available. Offered are many probe diameters and probe types. Three surface finishes are offered including high electro-polished (EP). For electrical connection, cable or M12 connector are available.

- All 316 stainless construction
- LED display, 4-20mA output
- Available display in °C or °F
- Available as panel mount or bracket mount
- Calibrated outputs to customer specified temperature range
- Optional fully programmable switch output and optional additional 3-wire RTD output
- Accuracy over the entire range is $\pm (0.2 + 0.001 \times T) ^\circ\text{C}$
- Operating temperature range -200 to 600°C (-328 to 1112°F)
- Probe diameters available in 1/4", 3/8", 1/2" as std.
- Available in Hygienic clamp union, Cherry-Burrell, Bevel Seat(16A), John Perry(JP16A)
- Available with M12 connector or cable gland
- Rated IP67 / NEMA 4X

DTG81



The **DTG81** battery powered gauge is a top mount with mini sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1/2" or 3/4" hygienic fittings for direct process temperature measurement. Three surface finishes are offered including electro polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^\circ\text{C}$ over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Available from stock with 6", 9", 12" long probes, 1/4" dia.
- Probe & fitting highly polished
- Sanitary fittings sizes available are 1/2" & 3/4"
- Rated IP67 / NEMA 4X

DTG82



The **DTG82** battery powered gauge is a top mount with mini sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1/2" or 3/4" hygienic fittings for direct process temperature measurement. Three surface finishes are offered including electro polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^\circ\text{C}$ over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Available from stock with 6", 9", 12" long probes, 1/4" dia.
- Probe & fitting highly polished
- Sanitary fittings sizes available are 1/2" & 3/4"
- Rated IP67 / NEMA 4X

DTG84



The DTG84 battery powered gauge is a top mount with a standard Tri-Clamp sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1" or larger hygienic fittings for direct process temperature measurement. Three surface finishes are offered including high electro-polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^{\circ}\text{C}$ over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Available from stock with 6", 9", 12" long probes, 1/4" dia.
- Probe & fitting highly polished
- Sanitary fittings sizes are 1", 1.5", 2", 2.5", 3"
- Rated IP67 / NEMA 4X

DTG88



The DTG88 battery powered gauge is a bottom mount with a standard Tri-Clamp sanitary fitting welded to probe. It is appropriate for CIP applications for vessels having 1" or larger hygienic fittings for direct process temperature measurement. Three surface finishes are offered including high electro-polished (EP). Applications include milk & dairy, food preparation, pharmaceutical, sterilizers, pasteurizers and others.

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^{\circ}\text{C}$ over the entire span
- Operating temperature range of -50 to 200°C (-58 to 400°F)
- Available from stock with 6", 9", 12" long probes, 1/4" dia.
- Probe & fitting highly polished
- Sanitary fittings sizes are 1", 1.5", 2", 2.5", 3"
- Rated IP67 / NEMA 4X

DTG91



The DTG91 battery powered gauge is customer configurable for various sanitary applications. It is available as a top, back, bottom and side mount. RTD 3-wire output is available for remote monitoring. Sanitary fittings of various types and sizes are available. Offered are many probe diameters and probe types. Three surface finishes are offered including high electro-polished (EP).

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^{\circ}\text{C}$ over the entire span
- Accuracy over the entire range is $\pm (0.2 + 0.002 \times T)^{\circ}\text{C}$
- Operating temperature range -200 to 600°C (-328 to 1112°F)
- Probe & fitting highly polished
- Available in Hygienic clamp union, Cherry-Burrell, Bevel Seat(16A), John Perry(JP16A)
- Rated IP67 / NEMA 4X

DTG92



The DTG92 battery powered gauge is customer configurable for remote display via a cable between the probe and housing. It is available as a panel or a bracket mount. RTD 3-wire output is available for remote monitoring. Sanitary fittings of various types and sizes are available. Offered are many probe diameters and probe types. Three surface finishes are offered including high electro-polished (EP).

- All 316 stainless construction
- Large 4-digit LCD display
- Available display in °C or °F
- 5 year battery life
- Error display with low battery indication
- Self diagnostic software and circuitry with error indication
- Programming and recalibration features available
- Pt-1000 Ohm class A RTD
- Accuracy of $\pm 0.25^{\circ}\text{C}$ over the entire span
- Accuracy over the entire range is $\pm (0.2 + 0.002 \times T)^{\circ}\text{C}$
- Operating temperature range -200 to 600°C (-328 to 1112°F)
- Probe & fitting highly polished
- Available in Hygienic clamp union, Cherry-Burrell, Bevel Seat(16A), John Perry(JP16A)
- Rated IP67 / NEMA 4X