



Since 1964

SANITARY DIGITAL THERMOMETERS CATALOG



www.harcosupply.com





Supply House to the Processing Industries Since 1964

Trusted supply house of sanitary processing equipment, parts and supplies for the dairy and food, brewery, beverage and pharmaceutical industries.

Harco Enterprises offers a diverse line of sanitary and hygienic processing equipment, parts and supplies including pumps, sanitary valves, separators, homogenizers, gaskets and fittings, sanitary hoses, and instrumentation as well as a variety of other products from world leading manufacturers such as Alfa Laval, Ampco, Tetra Pak, Burkert, Tri-Clover, Remco, Vikan, Carlisle, Haynes, Strahman, and more.

These products are distributed to dairy, food, beverage processing facilities as well as the pharmaceutical, brewing, and fisheries industries throughout North America.

Many of our products are customized in design due to strict sanitary and hygienic standards, and all are built to stand up to the demands of high production environments. Resourcefulness and quick delivery are important to you, and Harco always provides both.

Check out our large collection of equipment, parts and supplies, including our line of color-coded products available.

Visit our website today at www.harcosupply.com

Sanitary Digital Thermometers

SANI-FLOW

Designed for the food and beverage industry, these digital thermometers provide accurate, reliable temperature readings in demanding environments. Waterproof, lightweight, and easy to read, they feature a large LCD display for quick temperature monitoring. Low-maintenance and field-serviceable, the thermometers can be recalibrated on-site and operate on two standard AAA batteries that can be easily replaced. 3-A and FDA approved.

Typical Industries:

- Pharmaceutical & Biotechnology
- Food & Beverage
- Meat / Poultry
- Distillery & Winery
- Cosmetic

FEATURES

Accuracy: $\pm 0.5^\circ$ across the full scale with large, high contrast LCD display so there is no guessing, squinting or misreading the temperature. No problem reading several thermometers at one time from a distance.

Durability: Constructed with 316L stainless steel wetted surfaces to assure maximum corrosion resistance. A clean waterproof design allows the thermometer to be hosed down or submersed for cleaning. The Lexan® lens is virtually impervious to cracks and breakage.

Dependability: Powered by two field replaceable standard AAA battery with a life of up to 3 years - no expensive battery pack. Totally electronic which means no hassles with mercury or a separated column. The RTD does not wander or drift like other RTD type thermometers which means fewer recalibrations will be necessary.

Versatility: One thermometer covers a range from -58°F to 302°F (-50°C to 150°C). There is no need to have different thermometers for different applications.

Low Maintenance: Can be recalibrated right in the field, and are powered by just two standard AAA batteries which are easily changeable.

Special Probe Length Option: To fit what your process needs. Built to order within our standard lead times.

A Unique Modular Design means any thermometer can be customized for tough, abusive or special applications.

Repairable: The modular design also allows for cost effective and timely repairs.

Service: Thermometers are available from stock ready to ship. No hassle return policy. No restocking charge on standard thermometers.

SPECIFICATIONS

Compliance	ANSI / 3-A, NEMA 4X, IP675
Accuracy	$\pm 0.5^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$)
Resolution	0.1°F or $^\circ\text{C}$ (Full Scale)
Units	$^\circ\text{F}$ or $^\circ\text{C}$ - Field Selectable
LCD Display Size	1" (2.54 cm)
Refresh Rate	Once per Second
Process Temperature Range	-58° to 302°F (-50° to 150°C)
Ambient Operating Limits	-40° to 176°F (-40° to 80°C)
Ambient Storage Limits	-40° to 185°F (-40° to 85°C)
Product Contact Material	316L Stainless Steel
Product Contact Finish	$R_a \text{ max} = 8 \mu\text{in}$ (0.20 μm)
Case & Lens Ring Material	304L Stainless Steel
Lens Material	$\frac{1}{4}$ " Polycarbonate
Power	Standard AAA Batteries
Battery Life Expectancy	1 to 3 Years
Approx. Shipping Weight	2 Pounds (0.9 Kg)

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.

FITTINGS

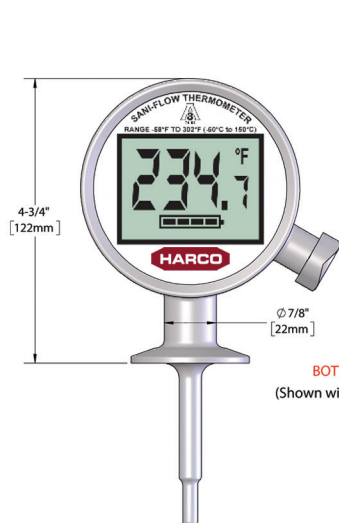
STYLE	SIZE	PROBE LENGTH	CODE
Tri-Clamp®	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	1½U
	$\frac{3}{4}$ "	$2\frac{3}{8}$ "	¾U
	1"	$2\frac{5}{8}$ "	1U
	$1\frac{1}{2}$ "	$2\frac{3}{4}$ "	1½U
	2"	$3\frac{1}{2}$ " or $5\frac{1}{2}$ "	2U
	$2\frac{1}{2}$ "	$3\frac{1}{2}$ "	2½U
	3"	$3\frac{3}{4}$ "	3U
	4"	$4\frac{1}{2}$ "	4U
Projectile Well	-	$3\frac{3}{4}$ "	3PW
	-	$9\frac{1}{8}$ "	9PW
	-	$10\frac{1}{2}$ "	10PW
	-	$12\frac{1}{8}$ "	12PW
NPT $\frac{1}{4}$ " - $\frac{3}{4}$ "	-	9"	NPT
Split Ferrule	-	$5\frac{3}{4}$ "	5SP
Air Space	-	$3\frac{3}{4}$ "	3A
	-	5"	5A
	-	$7\frac{1}{4}$ "	7A
#13H Captive Nut	1"	$1\frac{3}{4}$ "	1T
& #14 Bevel Seat	$1\frac{1}{2}$ "	$2\frac{1}{4}$ "	15T
	2"	$2\frac{5}{8}$ "	2T

STYLE	SIZE	PROBE LENGTH	CODE
Cherry-Burrell Male I-Line	1"	$1\frac{5}{8}$ "	1I
	$1\frac{1}{2}$ "	$2\frac{3}{16}$ "	1½I
	2"	$2\frac{1}{2}$ "	2I
	$2\frac{1}{2}$ "	$2\frac{7}{8}$ "	2½I
	3"	$3\frac{3}{16}$ "	3I

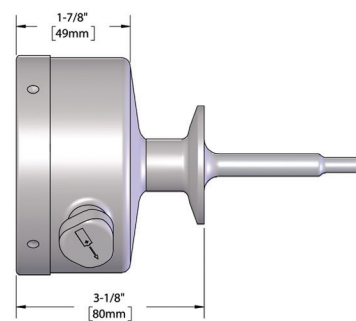
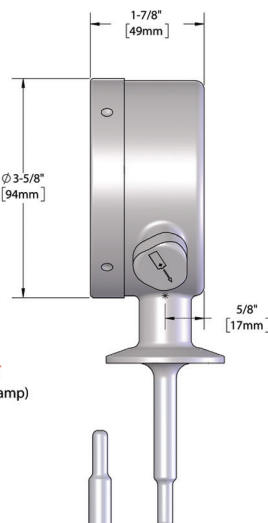


Sanitary Digital Thermometers

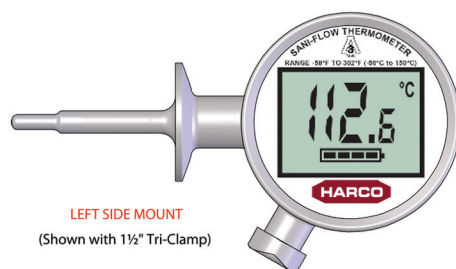
TYPICAL FITTINGS



BOTTOM MOUNT
(Shown with 1½" Tri-Clamp)



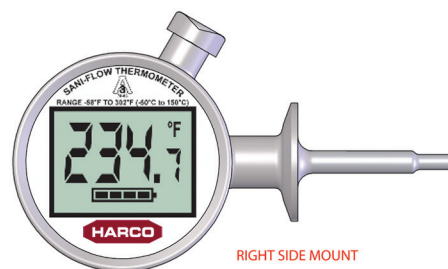
BACK MOUNT
(Shown with 1½" Tri-Clamp)



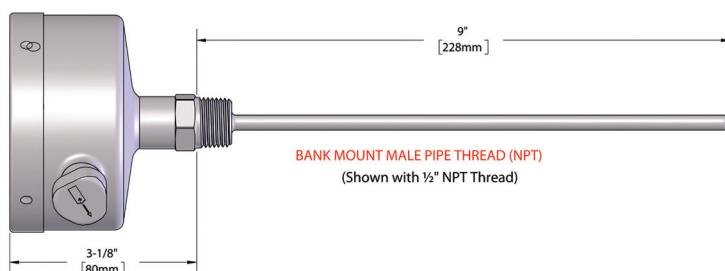
LEFT SIDE MOUNT
(Shown with 1½" Tri-Clamp)



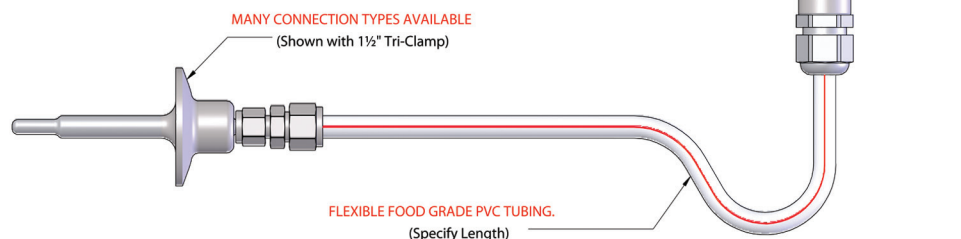
TOP MOUNT
(Shown with 1½" Tri-Clamp)



RIGHT SIDE MOUNT
(Shown with 1½" Tri-Clamp)



BANK MOUNT MALE PIPE THREAD (NPT)
(Shown with 1½" NPT Thread)



MANY CONNECTION TYPES AVAILABLE
(Shown with 1½" Tri-Clamp)

FLEXIBLE FOOD GRADE PVC TUBING.
(Specify Length)

Sanitary Digital Thermometers

ORDERING INFORMATION

Below are typical examples of models with their descriptions.

EXAMPLE 1:

DT - 1½U - BT - DF

Describes a Sani-Flow Digital Thermometer with 1.5" tri-clamp fitting, bottom mounted with °F display.

EXAMPLE 2:

DT - 2U - LF - DC

Describes a Sani-Flow Digital Thermometer with 2" tri-clamp fitting, left side mounted with °C display.

EXAMPLE 3:

DT - ½NPT - BK - DF

Describes a Sani-Flow Digital Thermometer with 0.5" pipe thread fitting, back mounted with °F display.

EXAMPLE 4:

DT - 9PW - BK - DF

Describes a Sani-Flow Digital Thermometer with 9.125" projectile well fitting, back mounted with °F display.

MODEL NUMBER CONSISTS OF:

SERIES	FITTING	MOUNT	DISPLAY
DT	2U	BT	DF

Please make a selection from each category below:

SERIES

DT - Sani-Flow Digital Thermometer

SANITARY FITTINGS

(Fittings available in ½", ¾", 1½", 2", 2½", 3" & 4")

H G&H "H" Line Male
I Cherry-Burrell Male I-Line
K APC "K" Clamp
Q Cherry-Burrell Q-Line
T #13H Captive Nut & #14 Bevel Seat
U Tri-Clamp®

(Specify size, then adapter type such as 1½U for 1½" Tri-Clamp adapter.)

OTHER FITTINGS

(Specify probe length)

A Air Space
M Umbrella Fitting
NPT ¼", 3/8", ½", 5/8" or ¾" Pipe Thread
PW Projectile Well with 1¼- 18 UNEF Male Thread
SP Split Ferrule
VP - VAT Well Fitting with #13H Captive Nut
OF - No Fitting

MOUNT

BT Bottom Mount
RT Right Side Mount
LF Left Side Mount
TP Top Mount
BK Back Mount
BTR Remote Fitting

DISPLAY

DF °F (Fahrenheit) - Standard
DC °C (Celsius)



Product Line Card

Supply House to the Processing Industries Since 1964

Harco partners with leading manufacturers in the industry to bring you an innovative range of sanitary and hygienic processing equipment and supplies. With experience in design, manufacturing and support, our partners are selected for their quality, reliability, and advanced products.

