

# SANI-FLOW DIGITAL THERMOMETERS



**QUALITY PRODUCTS SINCE 1937**  
[www.ChicagoStainless.com](http://www.ChicagoStainless.com)

Since 1937, Chicago Stainless Equipment has been manufacturing Sanitary Instrumentation for the food and beverage industry. Our Digital Thermometers are engineered to withstand some of the toughest environments, along with maintaining its extreme accuracy. When designing this product, we made sure to keep low maintenance in mind. These thermometers can be recalibrated right in the field, and are powered by just two standard AAA batteries which can also be replaced in the field. They are waterproof, lightweight, and easy to read. They have a large LCD display which makes temperature reading a breeze. Our Digital Thermometers are also 3-A and FDA approved. Our dedication to quality is not only evident in our products, but also in our customer service. CSE commits to offering the highest level of product and resources to every customer. We provide efficient, quick, and friendly service along with striving to build relationships with all of our partners.

## KEY FEATURES

Accuracy	±0.5° 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.
Large LCD Screen	Makes temperature reading simple and effective.

## TYPICAL INDUSTRIES

- Pharmaceutical
- Biotechnology
- Specialized OEM Equipment
- Food
- Beverage
- Citrus
- Meat / Poultry
- Distillery
- Winery
- Cosmetic

# SPECIFICATIONS

Compliance:	ANSI / 3-A, NEMA 4X, IP67, ISO 9001:2015
Accuracy:	±0.5% (±0.3°C)
Resolution:	0.1°F or °C (Full Scale)
Units:	°F or °C (Field Selectable)
LCD Display Size:	1" (2.54 cm)
Refresh Rate:	Once per Second
Product Contact Finish:	R <sub>a</sub> max = 8µin (0.20 µm)
Product Contact Material:	316L Stainless Steel
Case & Lens Ring Material:	304L Stainless Steel
Lens Material:	1/4" Polycarbonate
Process Temperature Range:	-58°F to 302°F (-50°C o 150°C)
Ambient Operating Limits:	-40°F to 176°F (-40°C to 80°C)
Ambient Storage Limits:	-40°F to 185°F (-40°C to 85°C)
Power:	2 Standard AAA Batteries
Battery Life Expectancy:	1 to 3 Years
Approximate Shipping Weight:	2 Pounds (0.9 Kg)



## MADE IN THE USA

Chicago Stainless Equipment, Inc products are proudly manufactured in the USA.



# PART NUMBERS

Example: **DT-15U-BT-DF**

## SERIES

Sani-Flow Digital Thermometer	<b>DT</b>
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## FITTING SIZE (By Inch)

## FITTING TYPE

SANITARY OPTIONS: <small>1-1/2" HAS A CODE OF "15"</small>								
1/2	3/4	1	<b>1-1/2</b>	2	2-1/2	3	Tri-Clamp	<b>U</b>
1-1/2	2						G&H Male H-Line	H
1	1-1/2	2	2-1/2				Cherry Burrell Male I-Line	I
1-1/2	2						APC K-Clamp	K
1-1/2	2						Cherry Burrell Q-Clamp	Q
1	1-1/2	2					#14 Bevel Seat Female (w/#13H Nut)	T
50mm	68mm						Varinline (Tuchenhagen)	50V 68V
40mm	50mm						DIN Female Fitting (per DIN 11851)	DIN40F DIN50F
30mm	45.6mm						Ingold Socket Fitting (IGS)	25IGS30 25IGS45
NON-SANITARY OPTIONS:								
1/4	3/8	1/2	3/4	1			Male Pipe Thread (NPT)	1/4NPT 3/8NPT 1/2NPT 3/4NPT 1NPT
N/A							Projectile Well	3PW 9PW 10PW 12PW <small># determines probe length</small>
N/A							Taylor SK10274 Style Projectile Well	SK
N/A							Air Space	3A 5A 7A <small># determines probe length</small>
N/A							Umbrella	M
N/A							Split Ferrule	SPLIT
2							Vat Well	2VP
N/A							No Fitting	0F

## MOUNT

Bottom Mount	<b>BT</b>
Center Back Mount	BK
Left Side Mount	LF
Right Side Mount	RT
Top Mount	TP
Bottom Mount Remote	BTR__ (Number in inches of desired capillary length)

## DISPLAY

Degrees Fahrenheit	<b>DF</b>
Degrees Celsius	DC

# PART NUMBERS

Example: **DT-15U-BT-DF**

## PROBE LENGTH

Standard	No addition to Part Number 12" Long x 3/4" Diameter
Special	SP__ (Number in inches of desired probe length) (Special Probe Diameters also available)

## OUTPUT

No Output	No addition to Part Number
RTD - 3 Wire PT-100 Single Element	R1
RTD - 3 Wire PT-100 Dual Element	R2
Transmitter - 4 to 20mA	T2

## LOGO \* CUSTOM LOGOS AVAILABLE UPON REQUEST \*

Chicago Stainless Equipment, Inc * STANDARD *	<b>CSE</b>
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## ADDITIONAL OPTIONS

General Calibration Certificate	CG
Detailed Calibration Certificate	CD
Material Test Report	MTR
Certificate of Conformity	CC
Paper Tag	PTI
Stainless Steel Tag	STI
Animal Derived Ingredient Free Cert	ADIF

## ***REPAIR***

We offer repairs on all of our Digital Thermometers. All repair orders must be through a CSE authorized distributor. You may ship your Pressure Gauge to our facility at...

**Chicago Stainless Equipment, Inc**  
**ATTN: REPAIRS**  
**1280 SW 34th St**  
**Palm City, FL 34990**

\*\* Please always include a Purchase Order inside of the box to prevent loss of your item \*\*

- Your item(s) will be evaluated by our skilled technicians and if they find any issues that may deem the thermometer(s) to be damaged beyond repair, a member of our Sales Team will reach out to the contact provided on your Purchase Order.
- We do NOT repair by replacement. The Digital Thermometer you send in is the Digital Thermometer you will receive back to you.
- Although we do not require an RMA for repairs, you may request one by email at [Sales@ChicagoStainless.com](mailto:Sales@ChicagoStainless.com)

## ***RECALIBRATION***

If you are looking for your Digital Thermometer to be recalibrated and do not believe a repair is needed, you may send in your product the same way as stated above.

- Recalibration with or without certifications can only be completed on an instrument that has not been damaged and is functioning properly.

If the thermometer is found to be damaged or not functioning for any reason, it must first be repaired. After repair of the thermometer, it will automatically be recalibrated.

- Any type of recertification can be requested with an additional fee.

