

# Industrial 9IT Solar Digital



## Description

The Winters Industrial 9IT Solar Digital Thermometer is a versatile instrument used in many industrial applications. The display on the thermometer is a switchable dual range scale (F/C) and offers a +/-1% accuracy. The thermometer is solar powered with a battery backup. The Industrial 9IT Solar Digital Thermometer is made of high impact ABS plastic housing, with a 3 1/2" (90mm) or 6" (150mm) stem length and a 3/4" NPT brass thermowell standard. The instrument is mercury-free and environmentally friendly.

### UNIQUE FEATURES INCLUDING:

- ☼ Switchable dual scale F/C
- ☼ Battery backup
- ☼ Aluminum adjustable angle
- ☼ NEMA 4 Rating (Indoor/Outdoor)

### Specifications

<b>Size / Scale:</b>	2.55" x 4.67" (63.75mm x 116.75mm) sensing display readout
<b>Angle:</b>	High impact ABS plastic housing with aluminum movable parts
<b>Temperature Range:</b>	Switchable between -50°F to 320°F (-45°C to 160°C) 6 second response with battery back up
<b>Stem length:</b>	3 1/2" (90mm) or 6" (150mm)
<b>Connection / Thermowell:</b>	3/4" NPT, with brass thermowell standard 1 1/4" unf swivel nut (without thermowell)
<b>Ambient Temperature:</b>	14°F to 150°F (-10°C to 65°C)
<b>Process Temperature:</b>	-50°F to 320°F (-45°C to 160°C)
<b>Accuracy:</b>	1% full scale
<b>Environmental Protection Rating:</b>	NEMA 4 (Indoor/outdoor use) - IP54

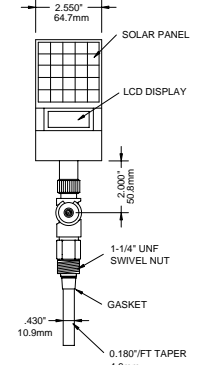
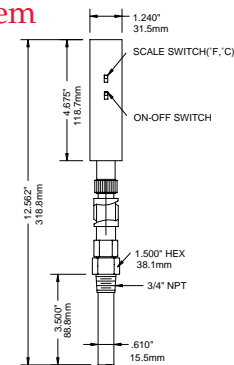
### How to order: Specify product code PRODUCT CODE

3 1/2" (90mm) Stem (-50F-320F/-45C-160C)	9ITSD
6" (150mm) Stem (-50F-320F/-45C-160C)	9ITSD6
(Includes Thermowell)	

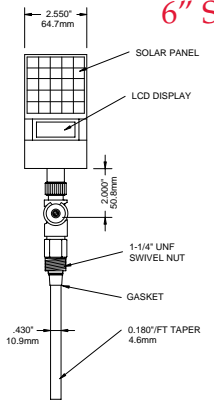
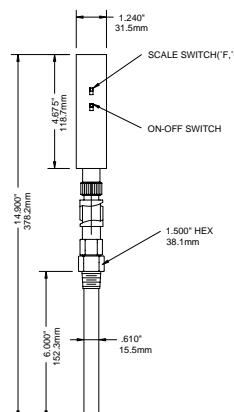
- Options:**
- Duct flange available upon request.
  - Union connection available upon request.
  - Other ranges and connection sizes available upon request.
  - Battery replacement - SDBAT
  - 6" (150mm) stem available

For an Industrial 9IT Thermowell, please refer to the Industrial 9IT Thermowell product page.

### 3.5" Stem



### 6" Stem



Corporate Office: 121 Railside Road • Toronto • ON • M3A 1B2 • (416) 444-2345 • Fax: (416) 444-8979

U.S.A. Office: 600 Ensminger Road • Buffalo • NY • 14150 • (716) 874-8700 • Fax: (716) 874-8800

[www.winters.com](http://www.winters.com) • 1-800-WINTERS (946-8377)

# Industrial 9IT Thermowells



CRN

## Description

Winters Industrial 9IT Thermowells are designed for use with all 9" (228mm) industrial thermometers to create a "sealed system" which allows the easy replacement of the thermometer without the need to shut down or drain the system.

Overall Length	Material	Insertion Length	Lagging Extension	Process Connection	Product Code	
4 1/4" (107.95mm)	Brass	2 1/2" (63mm)	No	3/4" NPT	W01	
	304 St/St.	2 1/2" (63mm)	No	3/4" NPT	W01-1	
	316 St/St.	2 1/2" (63mm)	No	3/4" NPT	W01-2	
4 1/4" (107.95mm)	Brass	1 3/4" (44.45mm)	1" (25.4mm)	1/2" NPT	W02	
	304 St/St.	1 3/4" (44.45mm)	1" (25.4mm)	1/2" NPT	W02-1	
	316 St/St.	1 3/4" (44.45mm)	1" (25.4mm)	1/2" NPT	W02-2	
4 1/4" (107.95mm)	Brass	1 3/4" (44.45mm)	1" (25.4mm)	3/4" NPT	W03	
	304 St/St.	1 3/4" (44.45mm)	1" (25.4mm)	3/4" NPT	W03-1	
	316 St/St.	1 3/4" (44.45mm)	1" (25.4mm)	3/4" NPT	W03-2	
6 3/4" (171.45mm)	Brass	5" (127mm)	No	3/4" NPT	W04	
	304 St/St.	5" (127mm)	No	3/4" NPT	W04-1	
	316 St/St.	5" (127mm)	No	3/4" NPT	W04-2	
6 3/4" (171.45mm)	Brass	2 1/2" (63mm)	2 1/2" (63mm)	3/4" NPT	W07	
	304 St/St.	2 1/2" (63mm)	2 1/2" (63mm)	3/4" NPT	W07-1	
	316 St/St.	2 1/2" (63mm)	2 1/2" (63mm)	3/4" NPT	W07-2	

## Options:

- Longer thermowells available upon request
- Other materials such as Monel, Inconel, Hastelloy C and Titanium are available upon request
- Caps and chains available upon request
- Other thread sizes available upon request

## Specifications

<b>Material:</b>	Brass, AISI 304 and AISI 316 stainless steel
<b>Bore Diameter:</b>	7/16" tapered
<b>Form:</b>	Stepped standard, straight available
<b>Thermometer Connection:</b>	1 1/4" NF
<b>Process Connection:</b>	3/4" NPT male standard



Corporate Office: 121 Railside Road • Toronto • ON • M3A 1B2 • (416) 444-2345 • Fax: (416) 444-8979

U.S.A. Office: 600 Ensminger Road • Buffalo • NY • 14150 • (716) 874-8700 • Fax: (716) 874-8800

[www.winters.com](http://www.winters.com) • 1-800-WINTERS (946-8377)

12/02