

# Model TBS

## Portable Digital Temperature Gauge

### Description

The TBS is a portable digital temperature gauge featuring accuracy 1%FS, multiple temperature units, Min./Max. readings, and automatic power off to conserve battery 9V power. Also, a backlight provides improved visibility under poor lighting conditions.

### Features

- ▶  $\pm 1\%$ FS Accuracy
- ▶ Large, easy to read display & Backlight Unit
- ▶ 2 selectable temperature units ( $^{\circ}\text{C}$ ,  $^{\circ}\text{F}$ )
- ▶ Peak, Auto power off

### Applications

- ▶ Portable Field Calibration & Calibration Labs.
- ▶ Process monitoring & Control
- ▶ Food & Pharmaceutical
- ▶ Plant utility monitoring



### Specifications

#### Range

-50~0, -50~50, 0~50, 100, 200, 300 $^{\circ}\text{C}$

#### Sensing Element

Sheathed RTD(PT100 $\Omega$ )

#### Performance

Accuracy	$\pm 1\%$ FS $\pm 1$ digit
Ambient Temperature Range	-10~50 $^{\circ}\text{C}$ (Display Part)
Storage Temperature Range	-20~70 $^{\circ}\text{C}$

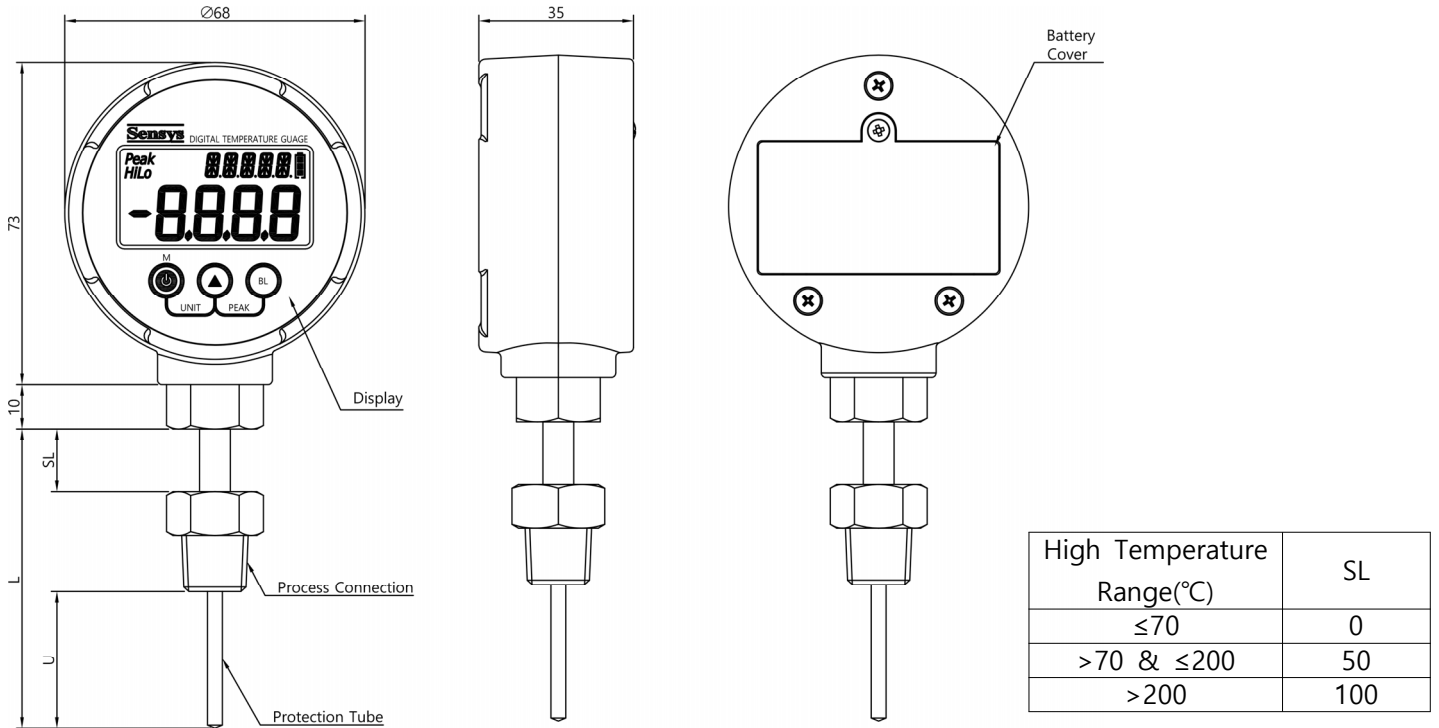
#### Electrical

Display	$\pm 3000$ Backlight LCD
Excitation	9V Battery $\times 1$
Display Time	1, 2, 5, 7, 10 time/sec
Function	Unit Conversion, Peak, Auto Power Off

#### Physical

Process Connection	Connection Available on Request
Media-Wetted Materials	Stainless Steel 316, Other Available on Request
Weight	Approx. 160g (Standard type only)

## Dimension



\*. It is vulnerable to heat because the material of the Display part is plastic (ABS). To prevent product damage, please consider the above dimensions when ordering.

## Ordering Information

**TBS A 000/010 48-100/50-G/A**

**Model Name**

**Output**

A : None

**Low Temperature Range**

XXX : Temperature

**High Temperature Range**

XXX : Temperature

**Sheath Out Diameter**

32 :  $\varnothing 3.2$

64 :  $\varnothing 6.4$

48 :  $\varnothing 4.8$

80 :  $\varnothing 8.0$

**Material of Protection Tube**

A : STS316

D : Titanium

B : STS316L

E : Monel

C : STS304

**Process Connection**

A : R(PT)3/8"

D : G(PF)1/4"

B : G(PF)3/8"

G : R(PT)1/8"

C : R(PT)1/4"

H : G(PF)1/8"

**Insert Length**

U(mm)

**Length**

L(mm)

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· Specifications are subject to change without notice.

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