

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, 400 $^{\circ}\text{C}$

Sensing Element

Sheathed RTD(PT100 Ω)

Performance

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

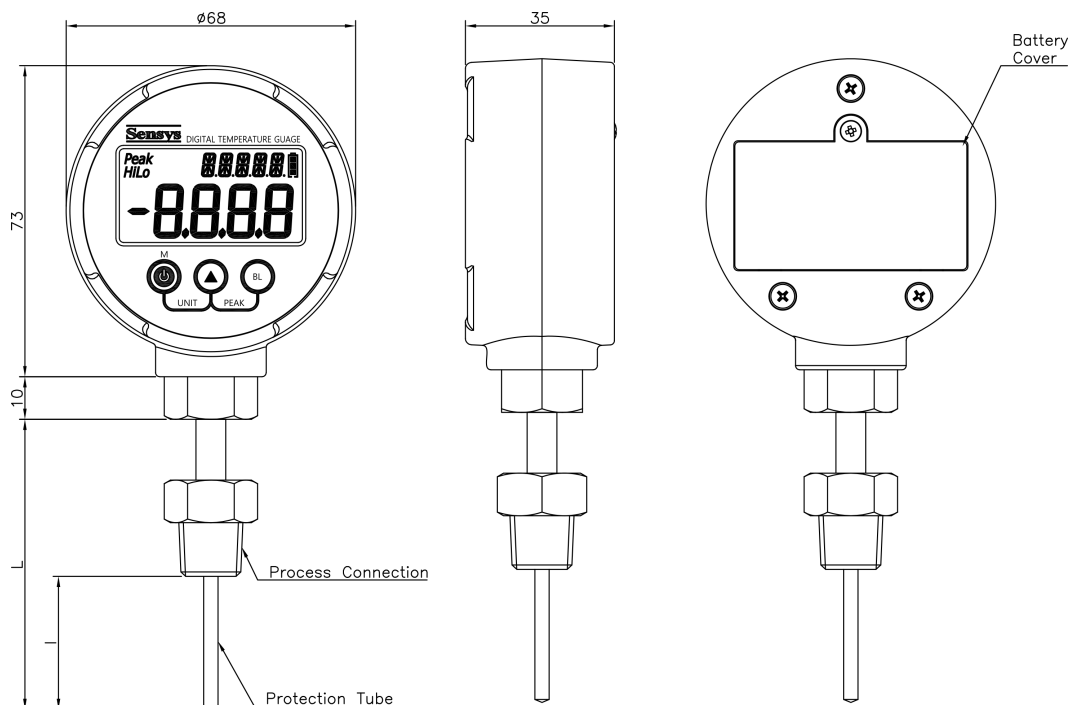
Electrical

Display	± 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



Ordering Information

Model Name		TBS	A	0010	48-100/50-G/A	Material of Protection Tube
Output A : None						A : STS316 B : STS316L C : STS304 D : Titanium E : Monel
Temperature Range						Process Connection
C050 : -50~0℃	0200 : 0~200℃					A : R(PT)3/8" G : R(PT)1/8"
±050 : -50~50℃	0300 : 0~300℃					B : G(PF)3/8" H : G(PF)1/8"
0050 : 0~50℃	0400 : 0~400℃					C : R(PT)1/4"
0100 : 0~100℃						D : G(PF)1/4"
Sheath Out Diameter						Insert Length ℓ(mm)
32 : Φ3.2	64 : Φ6.4					
48 : Φ4.8	80 : Φ8.0					Length L(mm)