

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

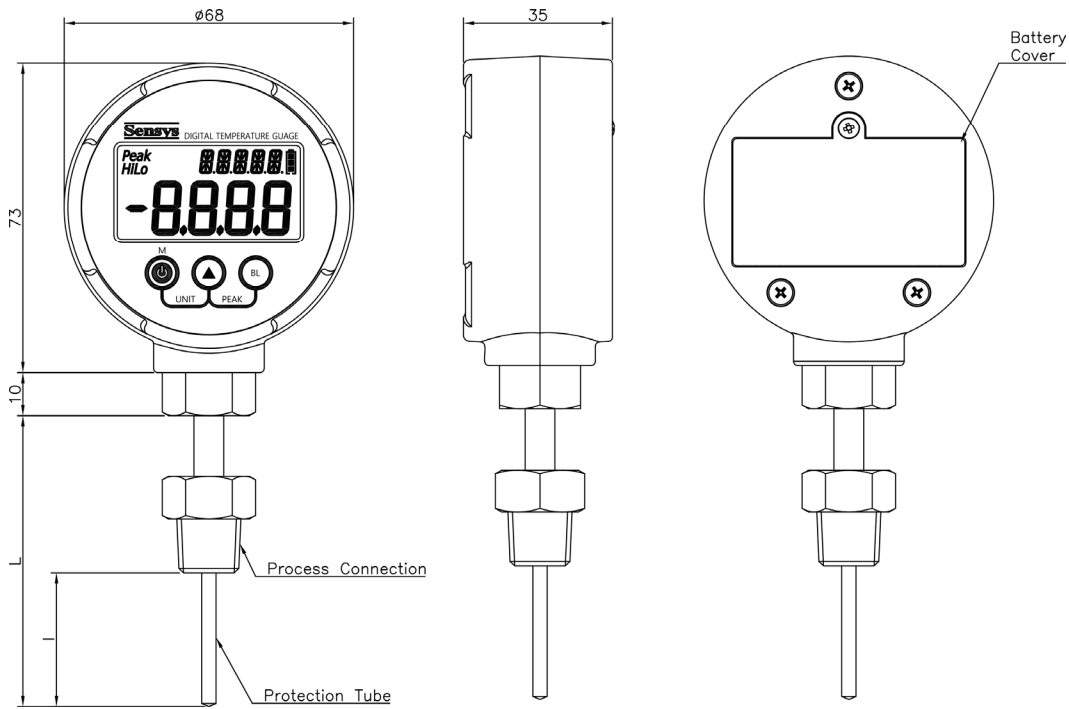
Electrical

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

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 : $\phi 3.2$

64 : $\phi 6.4$

48 : $\phi 4.8$

80 : $\phi 8.0$

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

ℓ(m m)

Length

L(m m)

Sensys

SENSOR SYSTEM TECHNOLOGY CO., LTD.

ADD : Rm.5010, Ansan Digital Park, 81, Neungan-ro,
Danwon-gu, Ansan-si, Gyeonggi-do, Korea.

TEL : 82-31-310-8910~9

FAX : 82-31-310-8920

http://www.sensys.co.kr

e-mail : master@sensys.co.kr

· Specifications are subject to change without notice.

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