

Model TBH

Portable Digital Temperature Gauge

Description

The TBH is a portable digital temperature gauge featuring accuracy 0.5%FS, multiple temperature units, Min./Max. readings, and automatic power off to conserve battery(AAA size) power. Also, a backlight provides improved visibility under poor lighting conditions. With Aluminum Die casting housing and Protection Rate IP65 are ideal in poor surroundings.

Features

- ▶ Die casting housing
- ▶ $\pm 0.5\%$ 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	$\pm 0.5\%$ FS ± 1 digit
Ambient Temperature Range	-10~50 $^{\circ}\text{C}$
Storage Temperature Range	-20~70 $^{\circ}\text{C}$

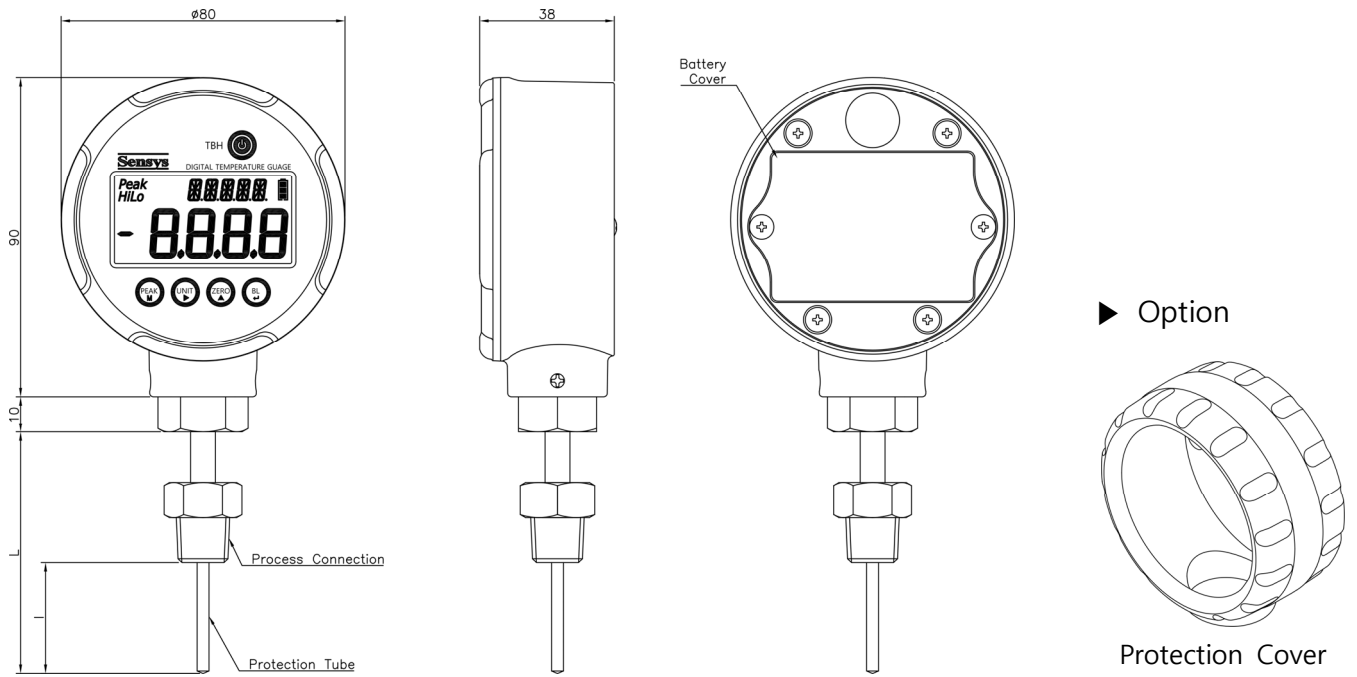
Electrical

Display	± 5000 Backlight LCD
Excitation	1.5V(AAA Size) Alkaline Battery $\times 3$
Display Time	1, 2, 5, 7, 10 time/sec
Function	Unit Conversion, Peak, Auto Power Off

Physical

Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Process Connection	Connection Available on Request
Media-Wetted Materials	Stainless Steel 316, Other Available on Request
Protection	IP65
Weight	Approx. 350g (Standard type only)

Dimension



Ordering Information

TBH 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(mm)

Length

L(mm)

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· Specifications are subject to change without notice.