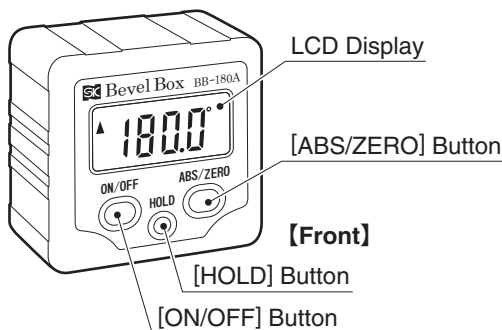
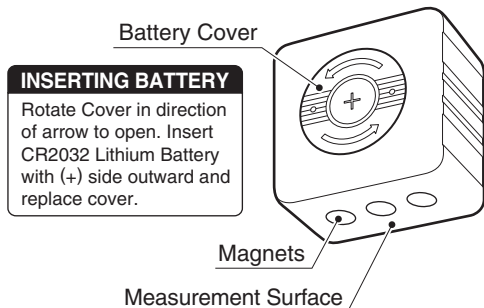


Thank you for purchasing the Bevel Box Digital Angle Meter.  
Please read this manual thoroughly before use for proper operation.

### ■ PART IDENTIFICATION



### ■ [Rear • Bottom]

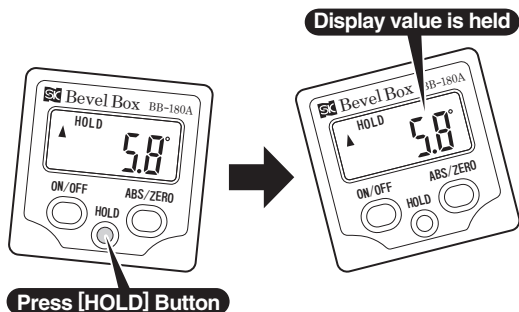


#### ■ INSERTING BATTERY

Rotate Cover in direction of arrow to open. Insert CR2032 Lithium Battery with (+) side outward and replace cover.

### ■ HOLD FUNCTION

Press [HOLD] to freeze the value on the display.  
Press [HOLD] a second time to release.



### ■ APPLICATIONS and FEATURES

- Precision angle measurement and working reference for assembly of machinery, tooling, jigs, etc.
- Magnetic base
- In Relative Mode, Zero-point can be set at any position.
- Origin can be set and stored for use in Absolute Mode.
- Hold function to freeze display.
- Auto Power Off feature (approx. 5 minutes.)

### ■ SPECIFICATIONS

Model No.	BB-180A
Measurement Range	$\pm 180.0^\circ$
Resolution	$0.1^\circ$
Accuracy	$\pm 0.2^\circ$
Repeatability	$0.1^\circ$
Operating Temperature Range	approx. $5 \sim 45^\circ\text{C}$
Weight	approx. 170g
Power Supply	CR2032 Lithium Battery (1×)
Accessories	<ul style="list-style-type: none"> <li>• Storage Case</li> <li>• CR2032 Lithium Battery (for test)</li> </ul>
Measurement Modes	Absolute, Relative

### ⚠ CAUTION

- This is a precision instrument - Handle With Care. Do not drop or subject to shock.
- Do not shake or rotate violently. Internal components can not respond to rapid motion and zero-point may shift. If subject to abrupt motions, please reset zero-point using procedure described in "Setting the Zero-point" or "Setting the Origin" sections.
- Do not engrave or mark with electric pen.
- Do not use or store in places subject to extreme temperature fluctuations, direct sunlight, dusty locations, or locations that are wet or have high humidity.

## ABSOLUTE MEASUREMENT MODE

In absolute mode, the origin can be stored in memory.

Once set, even when power is off the origin is saved and does not have to be reset with each use.

### Setting the origin:

- ① Press [ON/OFF] to turn on power.
- ② Press [ABS/ZERO] to display "ABS" icon on LCD display.
- ③ Place the Gauge on a horizontal surface, as confirmed by a reference level, and press and hold the [ABS/ZERO] Button for > 2 sec.
- ④ The LCD will display 0.0°, and the origin is now set.

#### ⚠ Note:

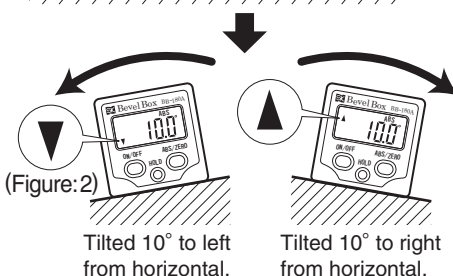
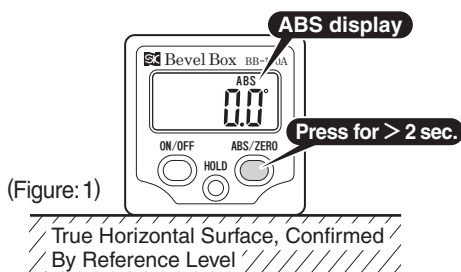
- When battery is replaced, origin will go to default setting. Please set again.

### How to use

Place the measurement surface of the gauge onto the object to be measured. (Figure:2)  
Direction of tilt icon will display next to measured value -

If tilt is to left, ▼ icon will display.

If tilt is to right, ▲ icon will display.



## RELATIVE MODE

In Relative mode, 0° point can be set at any angle.

### Setting the zero-point:

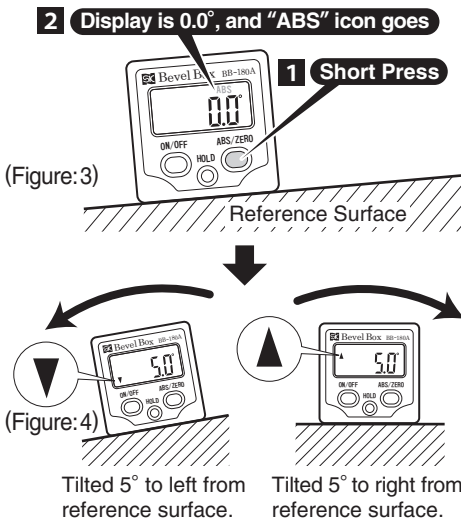
- ① Press [ON/OFF] to turn on power.
- ② With "ABS" icon displayed on LCD, place the gauge on a flat reference surface and press the [ABS/ZERO] button (less than 1 sec).
- ③ The LCD will display "0.0°", and the "ABS" icon will go off. (Figure:3)

### How to use

Place the measurement surface of the gauge onto the object to be measured. (Figure:4)  
Direction of tilt icon will display next to measured value -

If tilt is to left, ▼ icon will display.

If tilt is to right, ▲ icon will display.



## TROUBLESHOOTING

If any of the following symptoms appear, please cycle power by removing and replacing battery, or replacing battery with a fresh one.

- No display.
- Displayed reading is in error.
- Displayed value does not change as gauge is moved.

※ If problem persists, or if you have any questions, please contact distributor or place of purchase.

※ Please note, manufacturer is unable to respond to inquiries or provide service directly. Please contact distributor or place of purchase.

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