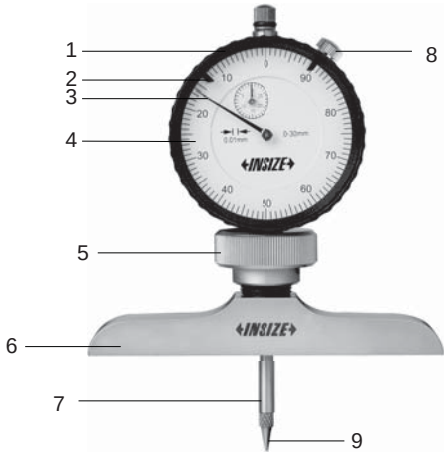
OPERATION INSTRUCTION

Dial Depth Gage
Series 2342

Range: 0-300mm
Dial indicator graduation: 0.01mm
Accuracy: ±0.03mm
Dial indicator stroke: 30mm



1-Bezel
2-Limit hand
3-Long pointer
4-Dial plate
5-Locking screw
6-Base plane
7-Spindle
8-Bezel clamp
9-Pointed tip
10-Ball tip
11-Extension rods

1. The product is used to measure depth dimension, such as hole depth, groove depth, step height and so on.

2. Select extension rod according to the measured size, and select the tip according to the shape of workpiece. Ball tip is used to measure the plane surface. Pointed tip is used to measure concave or complicated surface. Insert indicator into hole of base plane, tighten locking screw(Fig.1).

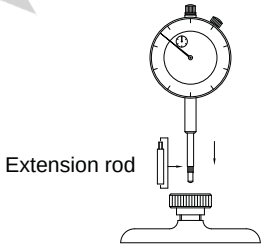


Fig.1

3. Set zero:
   --- Clean the measured surface and surface plate with soft cloth
   --- Do calibration with calibrate tool or two same size gage blocks(Fig.2), make the long pointer points the zero through adjusting the indicator's vertical position or rotate the bezel, measure it several times to make sure that it is properly zero set.

   Note: Do calibration after changing extension rod.

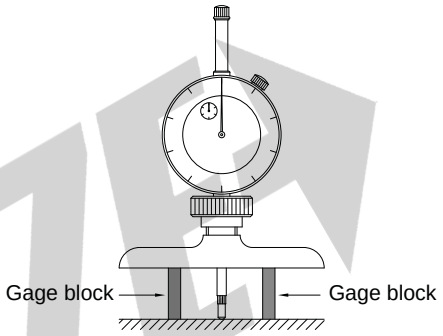


Fig.2

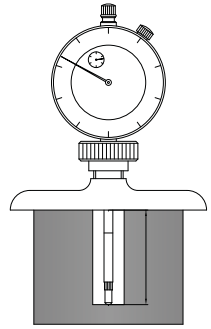
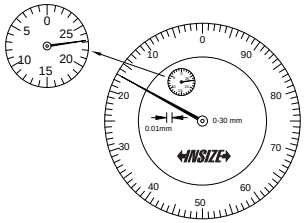


Fig.3

4. Measurement:
   Clean the measured surface before measurement. Make sure there are no dust, cutting chips or other debris on the measuring faces and workpiece surface, otherwise, the measurement may be incorrect. Insert tip into hole or groove, press base plane to make base plane contact the measured base surface completely, get the result when the tip contact the measured face(Fig.3).

5. The reading is the sum of extension rod and indicator's reading. For example, the extension rod is 25mm.



Extension rod reading:	25mm
Indicator reading:	23.17mm
Reading:	48.17mm

6. If the dial depth gage drops or be shocked, please inspect the measuring accuracy before using.

7. Avoid being shocked and bumped when using. After measurement, please oil the product. The spindle should not be oiled, otherwise, the movement of the spindle will not be smooth.

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