DIAL INDICATOR 14035
OPERATION INSTRUCTIONS

● TECHNICAL SPECIFICATIONS

Range	Resolution	Diameter of ring (mm)
0-3mm, 0-5mm	0.01mm	Φ42, Φ57
0-10mm	0.01mm	Φ57, Φ80
0-15mm, 0-20mm, 0-25mm, 0-30mm	0.01mm	Φ57
0-50mm	0.01mm	Φ57, Φ80
0-100mm	0.01mm	Φ57
0-0.25"	0.001"	Φ42
0-0.4"	0.001"	Φ42, Φ57
0-1", 0-1.3", 0-2"	0.001"	Φ57

● NOMENCLATURE
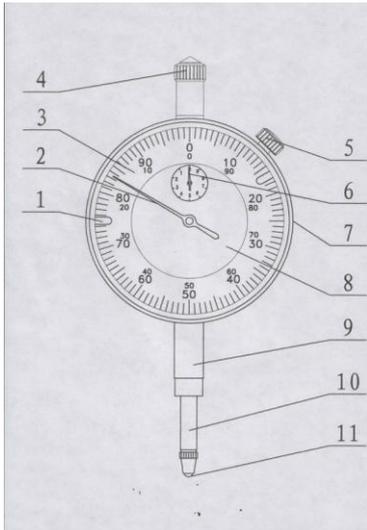
1. Tolerance marker	2. Big needle	3. Big graduation dial
4. Anti-dust shield	5. Locking screw	6. Small needle
7. Ring	8. Small graduation dial	9. Protective sleeve
10. Measuring spindle	11. Contact point	

Notes:

1. Except the standard dial indicators, shockproof, waterproof dial indicators are also available.

2. Special contact points can be supplied as per customers' request.

● PREPARATIONS

1. Before using the Dial Indicator, clean the measuring spindle and contact point with dry and clean cloth (or soaked with cleaning oil). No organic solutions are allowed.

2. The dial indicator should be kept away from strike, shock or drop to avoid damaging the dial indicator and its needles.

3. It's not allowed to use too much strength to clamp the protective sleeve of the dial indicator, otherwise the measuring spindle's moving flexibility will be affected.

●INSTRUCTIONS

1. Zero setting: Make the contact point touches the workpiece to be measured and make the measuring spindle moves a little.   Check the dial indicator to see if both the big needle and the small needle point to "0".   If not, loosen the locking screw (item 5 of Nomenclature) and rotate the ring until the needles point to "0", then fasten the locking screw.

2. The minimum resolution of the big graduation dial is 0.01mm, or 0.001".   And the minimum resolution of small graduation dial is 1mm, or 0. 1".

3. Reading Method:

   Value 1: The resolution of the big graduation dial times the measure that the big needle points,

   Value 2: The resolution of the small graduation dial times the measure that the small needle points,

   Value 1 plus value 2 is the measured value of the dial indicator.