UNIVERSAL DIGITAL PROTRACTOR

OPERATION INSTRUCTIONS

To take full advantage of Universal digital protractors, read this manual thoroughly before using it. After reading, retain this manual for future reference. Specifications of Universal digital protractors and the information in this manual are subject to change without notice.
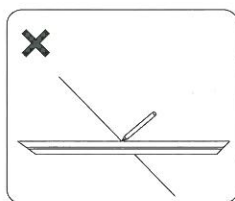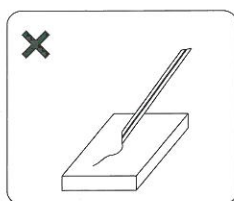
PRODUCT FEATURES

➤ Made of stainless steel throughout
➤ Measuring Range: 360°, Resolutions: 10"/0.005°
➤ All measuring faces is finished
➤ With fine-adjustment
➤ With acute angle attachment

IMPORTANT

➤ Any excessive shock should avoided.
➤ Do not disassemble or modify the instrument.
➤ Before using this instrument for the first time, wipe the rust preventive oil from the instrument with a soft cloth.
➤ Do not use a high voltage equipment or magnetic objects near the instrument, and do not measuring objects with electricity directly. Electronic parts may be damaged.
➤ Please take rust preventive oil, if do not use for a long time.

⚠ CAUTION

➤ Do not disassemble, short-circuit, charge, or heat the battery, otherwise the battery content may leak to come into contact with the eye, or cause battery heating or explosion.

TROUBLE SHOOTING

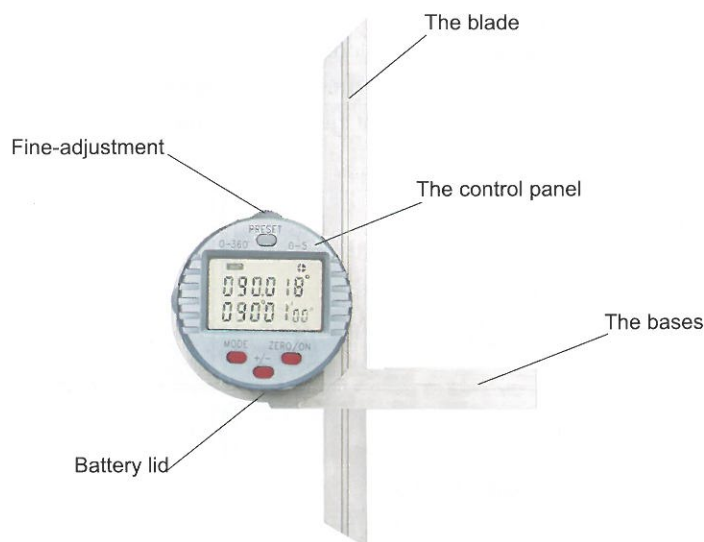| Failure	Possible situation
1. Digitals flash rapidly	1. Battery power low
2. The display is locked	2. Circuit problem
3. Nothing appears on the LCD	3. Battery has poor contact

Corrective measures
1. Replace new battery
2. Remove battery, and install it after 30 seconds
3. Keep good contact for battery

SPECIFICATION

Measuring range	0-360°
Resolution	10"/0.005°
Accuracy	±5'
Material	Stainless steel throughout
The blade	150mm, 200mm, 300mm
Contact force	1.5N or less
Battery	3V LR2032
Battery life	approx. 1 years
Operating temp.	0-40℃

NOMENCLATURE

BUTTON USAGE

1、PRESET button:
a) A short press of the button enters the set mode.
b) A long press of the button changes to the position to be preset. Release the button when one. To change position hold the button in again.
c) After the desired number is set, press the "ZERO/ON" button to exit the preset mode. The Preset number will be displayed. Whenever the "ZERO/ON" button is pressed the preset number will be displayed.

2、MODE button
Short press of this button allows you to choose 0-90°, 0-180° or 0-360° operation. The LCD will display accordingly.
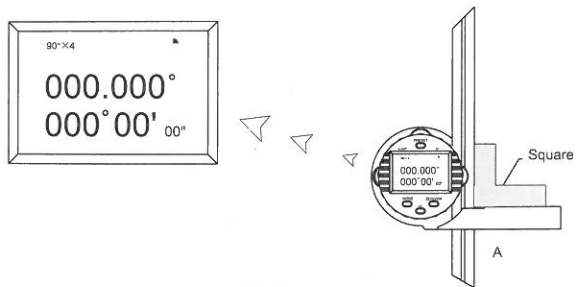
3、+/- button:
A short press of this button will change the measuring direction (0-360° or 360°-0).
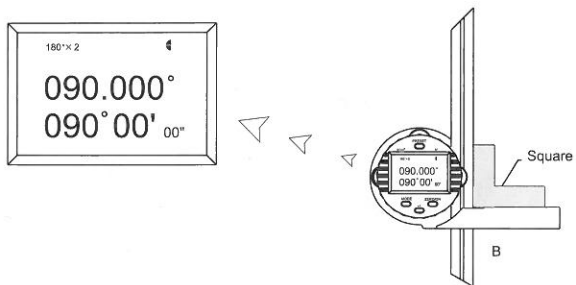
4、/ZERO/ON button:
a) A short press of this button either turns on the instrument or sets zero(preset).
b) A long press turns the instrument off.

SET "0" OPERATION
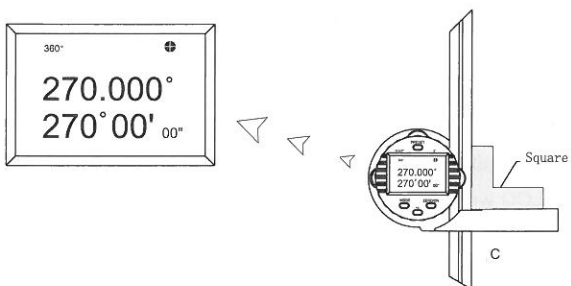

90°×4
000.000°
000°00' 00"

Square

A

Measuring range: 0-90°

1. Short press "ZERO/ON" for power on.

2. Press "MODE" button twice, changes to 90° ×4 state.

3. Short press "PRESET" to set mode, let LCD display 0°, then short press "ZERO/ON" to exit.

4. Let the square close to measuring face of the bases and the blade, press "ZERO/ON" button set "0", the LCD will display the state of the illustration A.

5. When measurement acute angle(0-90°), can read data directly from the LCD; when measurement obtuse angle, the degree of the LCD plus 90° to get the degree of the workpiece.

180°×2
090.000°
090°00' 00"

Square

B

Measuring range: 0-180°

1. Short press "ZERO/ON" for power on.

2. Press "MODE" button, changes to 180° × 2 state.

3. Short press "PRESET" to set mode, let LCD display 90°, then short press "ZERO/ON" to exit.

4. Let the square close to measuring face of the bases and the blade, press "ZERO/ON" button set "0", the LCD will display the state of the illustration B.

5. When measurement 0-180°, read data directly from the LCD.

360°
270.000°
270°00' 00"

Square

C

Measuring range: 0-360°

1. Short press "ZERO/ON" for power on, enter to 360° state.

2. Short press "PRESET" to set mode, let LCD display 270°, then short press "ZERO/ON" to exit.

3. Let the square close to measuring face of the bases and the blade, press "ZERO/ON" button set "0", the LCD will display the state of the illustration C.

4. When measurement 0-360°, read data directly from the LCD.

HOW TO USING

Use acute angle attachment for 0-15°