

Digitronic Depth Caliper 170 Series

Please carefully review these instructions to ensure proper and accurate use of your new Digitronic Depth Caliper.

Features:

- Zero setting at any location
- Inch/metric conversion at any location
- The Depth Caliper can be attached to a microprinter using a special cable:
 - Data: Binary code, 24 bits. Each datum will be sent twice. The cycle is 300m (or 20m in fast reading mode)
 - Transmitting time: 0.5m
 - Four wires (from left to right): Negative power (-), Clock Pulse – CP, Data – D, Positive Power (+)
 - Pulse range of data: Datum level $\leq 0.2V$, Level "1" $\geq 1.3V$
 - Clock pulse CP: 90Hz, effective for high power level

Operation:

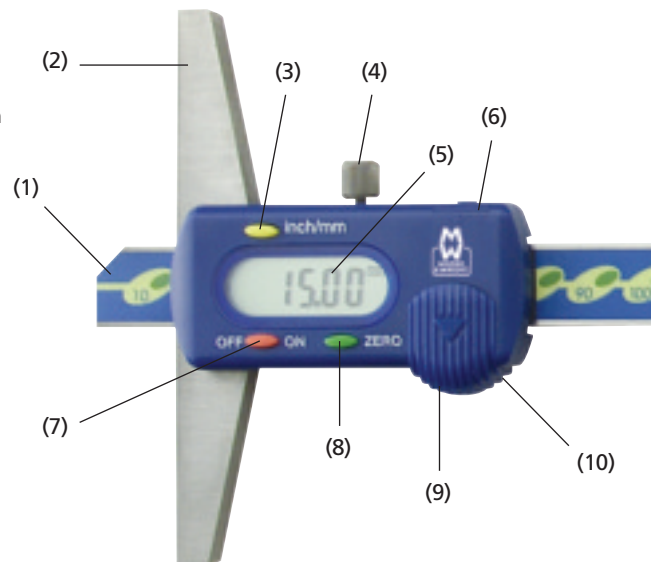
- Preparations:
 - a) Clean the surface of the protective sticker (see below) and all the measuring faces
 - b) Loosen the locking screws and move the slider. Check to see if the display screen and all of the buttons work properly
- Measuring:
 - a) Press "inch/mm" button to select the unit required
 - b) Move the slider until the measuring face is levelled with the reference plane. Then press "ZERO" button to start measuring

Technical specifications:

Resolution:	0.01mm
Power:	One silver oxide button battery SR44, 1.55V
Measuring speed:	$\leq 1.5m/sec$
Working conditions:	
Temperature:	0 - +40°C
Relative humidity:	$\leq 80\%$
Storage temperature:	-10°C - +40°C

Nomenclature:

- 1) Protective sticker
- 2) Slider
- 3) Inch/mm conversion
- 4) Locking screw
- 5) LCD display
- 6) Data output
- 7) Power ON/OFF button
- 8) ZERO setting button
- 9) Battery cover
- 10) Silver oxide button battery (SR44)



Maintenance:

- Before using the Depth Caliper, clean the surface of the protective sticker with a dry, clean cloth (or one soaked with cleaning oil)
- Never apply voltage on any part of the Depth Caliper or engrave with an electric pen to avoid damaging the electronics
- Turn off the Depth Caliper by pressing "ON/OFF" button when not in use. Take out the battery if the Depth Caliper is to stay idle for an extended period of time

Battery replacement:

When the display keeps flashing or does not appear at all, take off the battery cover in the direction of the arrows and replace the battery with a new one (SR44, 1.55V). Please note that the positive pole of the battery must face out.

Troubleshooting:

Problem	Possible Cause	Solution
Flashing digits	Low voltage	Replace the battery
No display	1 Low voltage 2 Poor contact	1 Replace the battery 2 Adjust and clean the battery
Frozen display	Disruption to the circuit board	Remove the battery and replace after 1 minute