



This set contains 3 of the most popular measuring and setting tools, conveniently supplied in a custom fitted storage case

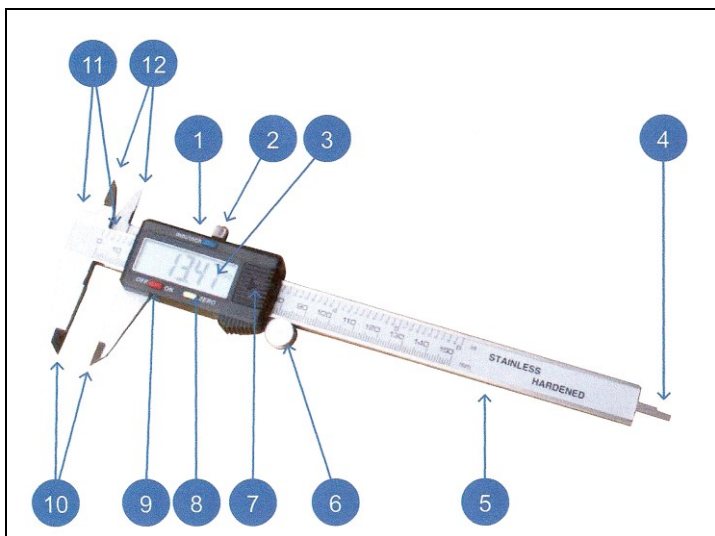
Instruments in set:

- 1 x Electronic Digital Caliper: 150mm/6"
- 1 x Electronic Digital Indicator: 25mm/1" (EDI-25)
- 1 x Magnetic Base with Fine Adjustment (MB-2)

### Electronic Caliper



Hardened stainless steel frame and measuring jaws  
 Thumbroll adjustment  
 Knurled locking screw  
 Depth rod  
 Clear LCD Display  
 Large 11mm digits  
 Inch/Metric conversion  
 Origin setting  
 Resolution: 0.01mm / 0.0005"  
 Repeatability: 0.01mm / 0.0005"  
 4 Way measurement:  
 Individual serial numbers  
 Power: 1 x Silver oxide battery SR44 - 1.55v  
 Operating temperature: 5 - 40°C  
 Relative humidity: Maximum 80%  
 Warranty: 1 year



- 1 Metric / Inch Conversion Button
- 2 Knurled Locking Screw
- 3 LCD Display
- 4 Depth Measuring Blade
- 5 Caliper Beam
- 6 Thumbroll Fine Adjustment
- 7 Battery Cover
- 8 Zero Set Button
- 9 Power Button ON/OFF
- 10 External Measuring Jaws
- 11 Step Measuring Faces
- 12 Internal Measuring Jaws

Range	Resolution	Repeatability	Accuracy	External Jaw Length	Internal Jaw Length
150mm / 6"	0.01mm / 0.0005"	0.01mm / 0.0005"	±0.03mm	40mm	18mm

Product: Electronic Digital Measuring Set: MB-EDI-151

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## Electronic Caliper

## OPERATING INSTRUCTIONS

When using the Caliper for the first time or after a period of non-use, wipe the beam scale with a dry clean cloth to remove any condensation or oil deposits.

Prior to setting the caliper for measuring, first clean the measuring faces with a soft clean cloth or paper.

Switch Caliper ON

Move Caliper jaws together.

Select required measuring mode Inch / Metric.

Zero display, caliper is now ready for direct measurement.

Caliper can be zeroed at any position within its range, to provide relative measurements.

Caliper provides 4 way measurements, External, Internal, Step and Depth.

## OPERATING CARE

Clean measuring faces with dry soft cloth

Keep away from strong magnetic fields

Prevent ingress of oil / liquids into electronics

Remove battery if instrument is not used for a long period of time

Do not disassemble or drop the instrument

**Do not mark instrument by engraving, etching or any other permanent marking method, as this will invalidate the warranty**

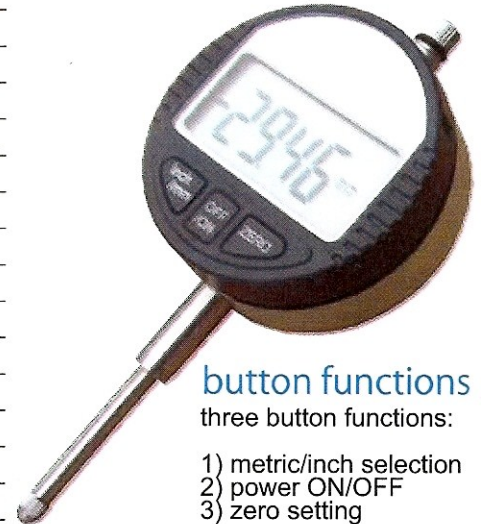
## FAULT FINDING

Fault	Cause	Action
Display flashes	Battery voltage below 1.45volts	Replace battery
Display frozen	Circuit overload	Remove battery and replace after 4 minutes
Accuracy below specification but within +/- 0.1mm	Dirt in sensor	Remove slider cover assembly, clean face of sensor with dry clean compressed air (5kg/cm <sup>2</sup> )
No display	Poor battery contact Dead battery	Remove battery and carefully adjust battery contacts, replace battery. Replace battery.

Electronic Indicator EDI-25

specifications

Feature	EDI-25	EDI-37
Dial face:	57mm / 2-1/4"	57mm / 2-1/4"
Digit size:	12.5mm	12.5mm
Clamping method:	8mm Stem & Central Lug Back	8mm Stem & Central Lug Back
Contact point:	Ball Type, M2.5mm thread	Ball Type, M2.5mm thread
Measuring range:	25mm / 1"	25mm / 1"
Resolution:	0.01mm / 0.001"	0.001mm / 0.00005"
Repeatability:	0.01mm / 0.001"	0.001mm / 0.00005"
Accuracy:	±0.02mm	±0.005mm
Response speed:	<0.5m/5	<0.5m/5
Power:	1 x SR44	1 x SR44
Operating temperature:	0 - 40°C	0 - 40°C
Storage temperature:	minus 20 - 70°C	minus 20 - 70°C
Relative humidity:	<80%	<80%



button functions  
three button functions:

- 1) metric/inch selection
- 2) power ON/OFF
- 3) zero setting

use

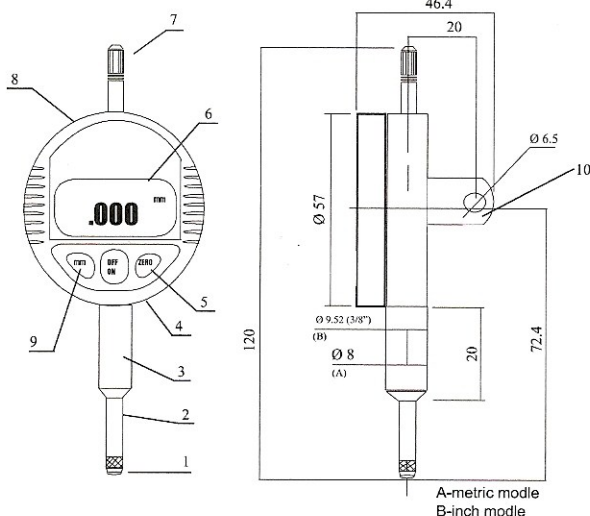
Clean spindle and contact point with a soft cloth before using.  
 Press On / Off switch to power up Indicator.  
 Select Metric or Inch measurement.  
 Press Zero Button when Contact Point is touching datum surface.  
 Instrument is now ready for use.

care

Indicator face and spindle should be kept clean and dry.  
 Do not connect any part of indicator to a voltage supply.  
 Avoid shocks and impact to spindle and dial face.  
 Remove battery if not being used for a long period.

nomenclature

- |                    |                            |
|--------------------|----------------------------|
| 1: Contact Point   | 6: LCD Display             |
| 2: Spindle         | 7: Spindle Top             |
| 3: Stem            | 8: Battery Compartment     |
| 4: On / Off Switch | 9: Metric / Inch Selection |
| 5: Zero Setting    | 10: Central Backlug        |



trouble shooting

**F = Fault, P = Possible Fault, A: Action**

- F:** 5 digits appear & change rapidly
- P:** Low battery power
- A:** Replace battery
- F:** Display not working when battery is changed
- P:** Circuit locked when changing battery due to faulty contact
- A:** Remove battery & replace after 30 seconds
- F:** Reading error over full travel greater than 0.1mm
- P:** Ingress of dirt has damaged or covered sensor
- A:** Remove cover & slider assembly, clean with an industrial non-chlorinated solvent
- F:** Nothing appears on display
- P:** Battery contact is poor or voltage below 1.1v
- A:** Replace battery ensuring contacts are in good condition

battery replacement

Remove battery compartment cover and remove old battery from holder.  
 Fit new battery into holder with positive side facing upwards.  
 Replace holder and battery into Indicator.

Magnetic Base MB-2



Magnetic Base with solid cross arm  
Plunger Indicators held by lug back or up to 8mm dia stem  
Lever Indicators held by spigot  
Overall height 230mm  
Upright arm is 12mm diameter with M8 x 1.25 thread  
Switchable magnetic has 800N Force  
Magnetic Base size: W50 x L60 x H55mm