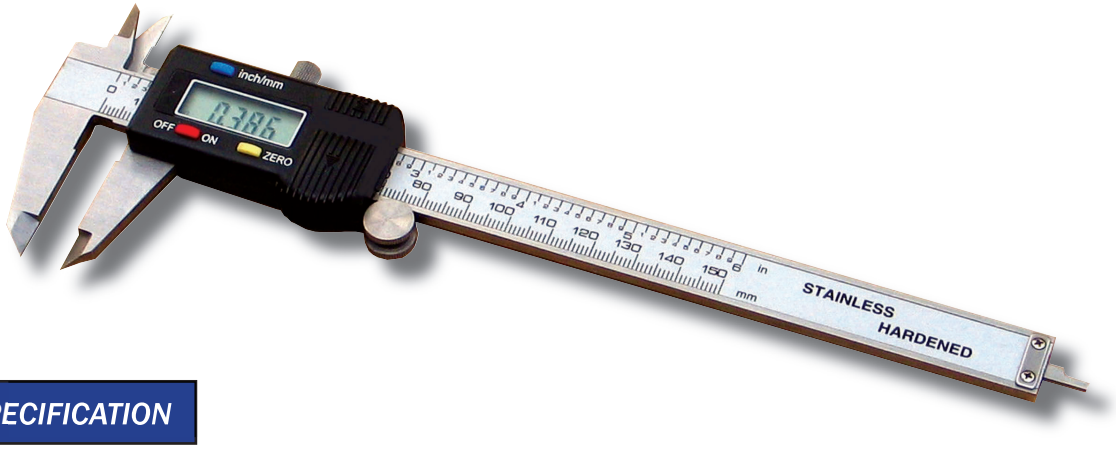
# Datasheet

ENGLISH

| CODE | DESCRIPTION |
|---|---|
| 49-900-150 | 150mm / 6” Electronic Caliper |
| 49-900-200 | 200mm / 8” Electronic Caliper |
| 49-900-300 | 300mm / 12” Electronic Caliper |




## TECHNICAL SPECIFICATION

Construction: Hardened stainless steel frame and measuring jaws
Thumb Roll adjustment, knurled locking screw,
Depth rod.

Resolution: 0.01mm / 0.0005”

Repeatabilty: 0.01mm

Accuracy: ± 0.02mm (<100mm)
± 0.03mm (>100-200mm)
± 0.04mm (>200-300mm)

Jaw Lengths:

| Code | External Jaw | Internal Jaw |
|---|---|---|
| 49-900-150 | 40mm | 18mm |
| 49-900-200 | 50mm | 20mm |
| 49-900-300 | 60mm | 20mm |

Measuring speed: Maximum 1.5 metres per second

Operating Temperature: 5 - 40°C

Relative Humidity: Maximum 80%

Power: 1 x Silver Oxide Battery SR44 - 1.55v

## BUTTON FUNCTIONS

**ON/OFF** Power Switch

**Inch / mm** Inch / Metric conversion

**ZERO** Zero’s Display

ENGLISH

## OPERATING INSTRUCTIONS

When using the Caliper or 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 measurement, 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.**

## OPERATING CARE

| Fault | Cause | Action |
|---|---|---|
| Display Flashes | Battery voltage below 1.45volts | Replace battery |
| Display frozen | Circuit overload | Remove battery and replace after 1 minute |
| Accuracy below specification but within +/- 0.1mm | Dirt in sensor | Remove slider cover assembly, clean face of sensor with dry clean compressed air (5kg/cm2) |
| No display | Poor battery contact<br><br>Dead battery | Remove battery and carefully adjust battery contacts, replace battery.<br>Replace battery. |

ENGLISH

| Product Code | Description |
|---|---|
| 50-700-001 | Electronic Splash/Dust Proof Micrometer 0 – 25mm |

## SPECIFICATIONS


Splash / Dust Resistant
Large easy to read LCD display.
True inch/metric conversion.
Resolution: - Metric 0.001mm Inch 0.00005in
Tungsten Carbide anvil faces
Friction style thimble and Spindle lock lever.
Heat/Splash guard fitted to frame.
Measuring force 5 – 10N.
Maximum Measuring Speed 80mm / sec.
Operating temperature 0 - 40° C
Storage temperature -20 to 60° C
Powered by single silver oxide cell, SR44W
Accuracy ± 0.003mm
Repeatability 0.001mm
Micrometer automatically switches off after 4 minutes of non-use

## OPERATING INSTRUCTIONS

**Set Micrometer for Absolute Measurement**
Clean micrometer anvils
Select metric or inch mode as required
Move micrometer anvils together and press O to set digits to read zero
Use friction thimble to obtain repeating zero reading
Micrometer is now ready to take measurements between 0 – 25mm / 0 - 1”

**Set Micrometer for Relative Measurement**
Move micrometer spindle to desired nominal position
Press O button to zero display
Micrometer can now be used to indicate a + or – size from the nominal zero set position

## OPERATING CARE

Clean measuring faces with dry soft cloth only
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 instrument
Do not mark instrument with ultrasonic etching pen

ENGLISH

## *FAULT FINDING*

| Fault | Correction |
|---|---|
| Display confusion | Remove battery for 4 minutes then replace to reset electronics |
| Incorrect measurement | Clean measuring surfaces, reset zero/datum setting |
| No display | Check battery voltage and instrument contacts |
| Display flashes | Replace battery |