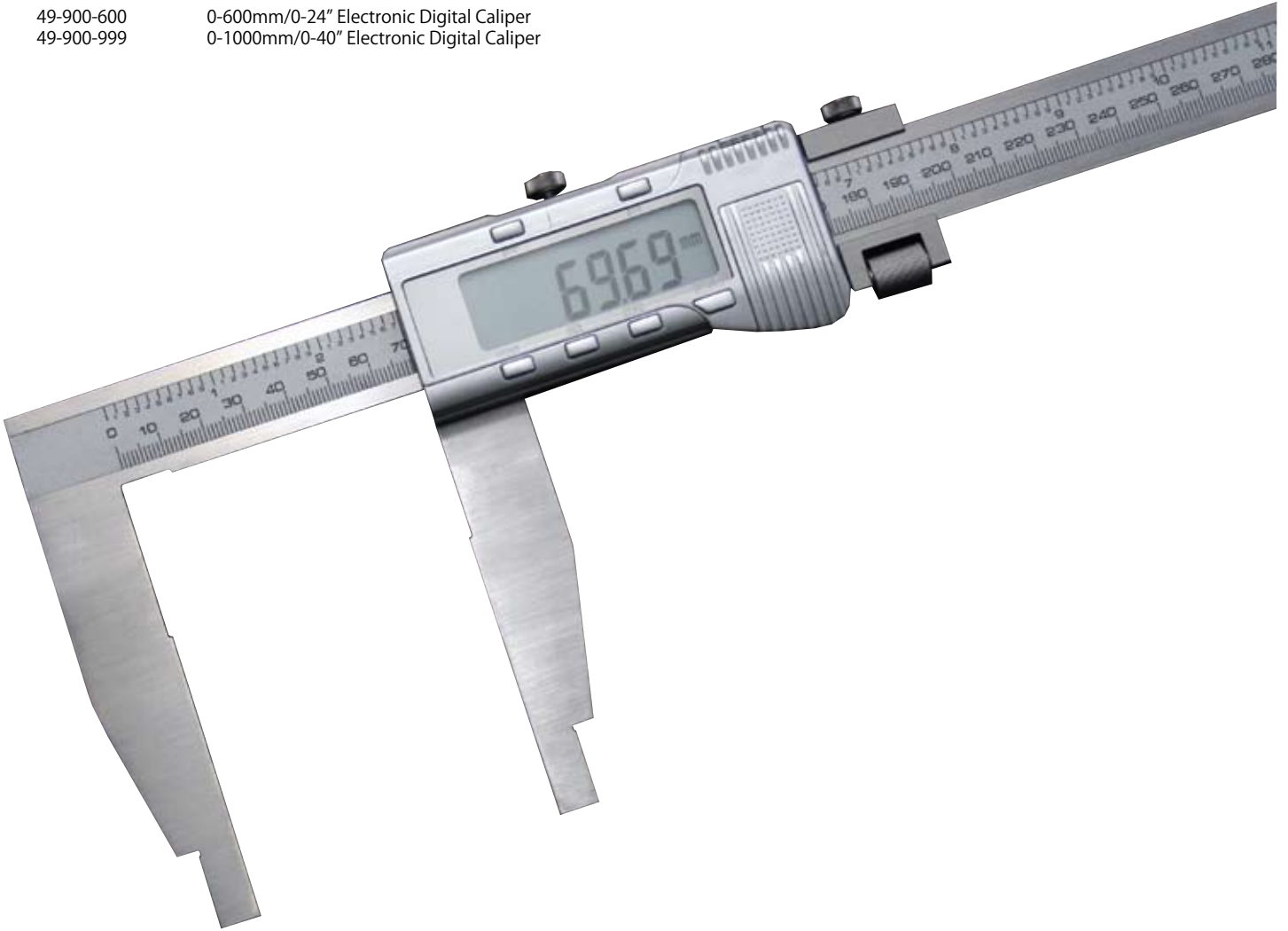


49-900-600
49-900-999

0-600mm/0-24" Electronic Digital Caliper
0-1000mm/0-40" Electronic Digital Caliper



Specification

- Construction: Hardened stainless steel frame and measuring jaws
- Fine adjustment with knurled locking screws
- Resolution: 0.01mm / 0.0005"
- Repeatability: 0.01mm
- Accuracy: $\pm 0.02 + [0.00005 \times L]$
(L = length from origin to given position)
- External Jaw Depth: Model: 600mm = 100mm
- Model: 1000mm = 125mm
- Internal Jaw Dimensions:
 - Model: 600mm = 20mm dia. x 18mm deep
 - Model: 1000mm = 20mm dia. x 24mm deep
- Measuring Speed: Maximum 1 metre per second
- Operating Temperature: 5 - 40°C
- Relative Humidity: Maximum 80%
- Power: 1 x Silver Oxide Battery SR44 - 1.55V

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

Button Functions

- | | |
|-------------|---------------------------------------|
| • ON/OFF: | Power Switch |
| • mm/in: | Metric / Inch conversion |
| • ABS/zero: | Absolute / Relative measuring modes |
| • Set: | Pre-set button |
| • ▲ ▼ | Changes display value higher or lower |

Setting For Absolute Measurement (External)

- Switch Caliper on and slide measuring jaws together.
- Select the required measurement system, either Metric or Inch.
- Select Absolute Measuring Mode using ABS/zero button. If INC shows on Display the instrument is in Relative Mode so press ABS/zero button to remove INC and set in Absolute Mode.
- The display should now read zero with the measuring jaws together, if not press the set button to zero the display. The caliper is now ready for Absolute measurement use.

Setting For Absolute Measurement (Internal)

- Follow the instructions for External measurement as above then follow instructions as follows.
- With measuring jaws together and Caliper in Absolute Mode,
- Hold set button down whilst pressing ▲ button to advance digit display to read 20.00mm set will flash. If size is over-run press ▼ button to bring back to 20.00mm.
- When desired size is achieved press set to store size. The Caliper can now be used to provide direct measurements of internal dimensions above 20.00mm.

Setting For Relative Measurement

- When set in Absolute mode, move measuring jaw to desired position, press **ABS/zero** button to zero Caliper in this position, **INC** will also be displayed on the screen.
- Movement of the measuring jaw will be indicated by a + or - dimension relative to the initial zero setting.
- Press the **ABS/zero** button to return the Caliper to its original zero setting and normal Absolute measurement mode.

Pre-Set Facility

Caliper should be in Absolute Mode, use instructions as per Absolute Measurement (Internal)

Operating Care

- Clean essential external moving parts 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

Fault Finding/Correction

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	Remove battery & carefully adjust battery contacts, replace battery
	Dead battery	Replace battery