



INSTRUCTIONS FOR
DIGITAL MEASURING SET
 Model No: **AK9637D**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT
 PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE, FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

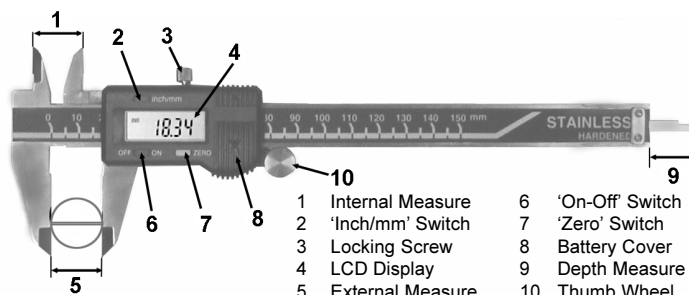
WARNING! Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools and equipment.

- x **DO NOT** use calliper or micrometer if damaged.
- ✓ Maintain calliper or micrometer in good and clean condition for best and safest performance.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery. Contain or tie back long hair.
- ✓ Keep children and unauthorised persons away from the work area.

2. INTRODUCTION & SPECIFICATION

Three button digital micrometer with satin chrome thimble and sleeve plus hardened and tempered stainless steel digital vernier calliper with satin finish. Large, easy to read LCD read-outs. Displays switchable between Metric and Imperial units. Zero display at any point allows comparative measurement. Both instruments include serial output for data connection to PC. Supplied in storage case with micrometer adjustment wrench.

Specification	Vernier Calliper
Resolution	0.01mm (0.0005")
Range	150mm (6")
Accuracy	±0.02mm (±0.001") @ <100mm ±0.03mm (±0.001") @ >100mm
Functions	Zero set, mm/inch select
Messages	Flashing display = replace battery
Battery type	SR44 (1.5V)
Operating temp	.0 -- +40°



Specification	Micrometer
Range	0 - 25mm (0.98")
Accuracy	0.001mm/0.00005"
Functions	Zero set, mm/inch select
Messages	Flashing display = replace battery
Battery type	SR44 (1.5V)
Operating temp	.0 -- +40°



3. OPERATION

WARNING! Ensure that you have read and understood Section 1 safety instructions before commencing.

- x **DO NOT** use the calliper or micrometer if damaged.
- x **DO NOT** use the calliper or micrometer for any purpose other than for which it is designed.
- x **DO NOT** get calliper or micrometer wet or use in damp or wet locations, or areas where there is condensation. Keep calliper and micrometer clean and dry using a dry cotton cloth only.
- x **DO NOT** dip or submerge the calliper or micrometer in any type of liquid.
- x **DO NOT** expose calliper or micrometer to bright sunlight or dust.
- x **DO NOT** dis-assemble calliper or micrometer. The calliper and micrometer must be checked by qualified service personnel only.
- x **DO NOT** apply any voltage to the calliper or micrometer i.e. with an electric marker pen.
- ✓ The calliper and micrometer are precision instruments, treat with care, avoid using force and do not subject to knocks or shocks.
- ✓ Take particular care not to damage or scratch the scale surface.
- ✓ Use calliper and micrometer in reasonably constant temperature conditions of approximately 20°C
- ✓ When not in use, **turn off** and store calliper and micrometer in a safe, dry, childproof location.

1. Ensure all measuring surfaces are clean and then turn on calliper or micrometer by pressing 'On-Off' switch. Wait at least one second before use.
2. Loosen locking screw/thumb lock and close calliper or micrometer; if read-out does not show zero **when in closed position**, reset by pressing 'Zero' switch again.
3. Select 'inch' or 'mm' units, as required, with the 'Inch/mm' selector switch. Check that display shows the required units.
4. Measurements will now be shown directly on the LCD display.
5. A new 'zero' may be obtained, at any open position of the instrument, by pressing the 'Zero' switch.

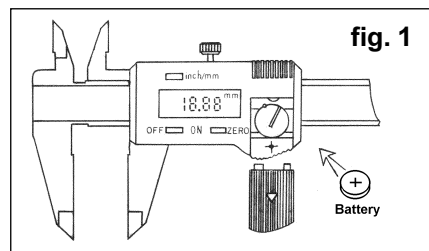
4. BATTERY FITTING

Fitting a new battery in calliper

A flashing display indicates that the battery is exhausted - replace as follows:

1. Remove battery cover by sliding downward and lifting the lower edge.
2. Remove exhausted battery and fit replacement with **+ve side uppermost** (fig. 1).
3. Dispose of old battery in a safe and approved manner. **Do not burn.**

If the display fails to alter when the slide is moved, remove the battery - wait at least 30 seconds and then refit the battery.

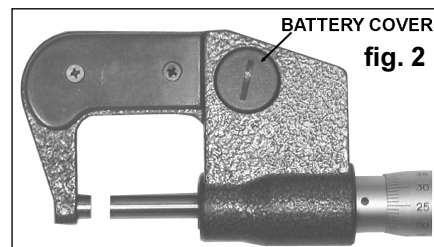


Fitting a new battery in micrometer

A flashing display indicates that the battery is exhausted - replace as follows:

1. Remove battery cover using the semi-circular side of the supplied wrench (fig. 2.).
2. Remove exhausted battery and fit replacement with **+ve side uppermost**, Refit cover.
3. Dispose of old battery in a safe and approved manner. **Do not burn.**

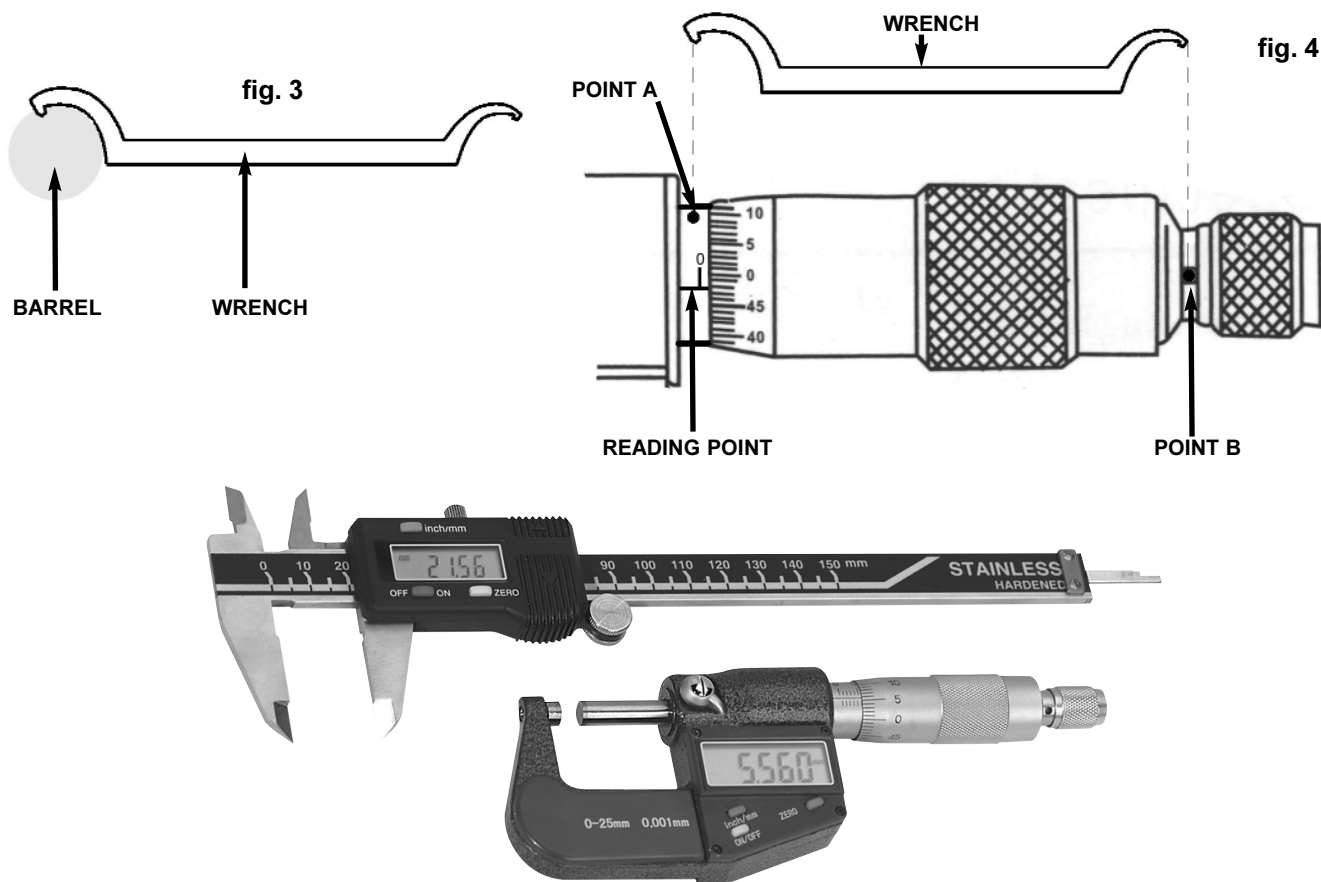
If the display fails to alter when the slide is moved, remove the battery - wait at least 30 seconds and then refit the battery.



5. MICROMETER MAINTENANCE

After prolonged service, the reading point may become slightly loose and misaligned. This can be corrected using the wrench provided.

- 5.1 Fully close the micrometer.
- 5.2 Place the wrench as shown in (fig. 3) i.e. with the small protrusion hooking the hole at Point A.
- 5.3 Using the wrench, alter the position of the reading point until it is once more aligned with the "0" on the barrel scale.
- 5.4 The ratchet barrel also become loose over time.
- 5.5 The wrench is then used in a similar fashion (i.e. with the smaller end of the wrench hooked in Point B) to tighten the ratchet barrel.
- 5.6 The micrometer contains no user serviceable parts. See your authorised dealer for advice/repairs.



NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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