



INSTRUCTIONS FOR
**ELECTRONIC VERNIER
CALIPER**
Model No: **AK9629E**

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, OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY.

The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

1. SAFETY INSTRUCTIONS

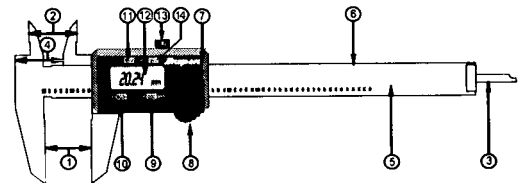
- ❑ **WARNING! Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.**
- x DO NOT use tools if damaged.
- ✓ Maintain tools in good and clean condition for best and safest performance.
- ✓ Keep the work area clean, uncluttered and ensure there 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, & other loose jewellery. Contain or tie back long hair.
- ✓ Keep children and unauthorised persons away from the working area.

2. INTRODUCTION & SPECIFICATION

The Electronic Vernier Caliper, which provides Outside, Inside, Depth and Step measurements, is used in the same manner as a normal caliper but provides an immediate digital measurement read-out. This avoids the errors inherent in reading a conventional vernier scale and also speeds up the measuring process.

Specification

Resolution	.01mm (0.0005")
Range	.150mm (6")
Accuracy	±0.02mm (±0.001")
Repeatability	.01mm (0.0005")
Functions	Zero set, mm/inch select, incremental and absolute zero selection
Response speed	Up to approx. 1600mm/s
Messages	'B' - replace battery 'E--05' - overspeed, press 'ZERO' to reset 'INC' - incremental zero has been set
Battery life	Approx. two years (approx. one year in continuous service)
Battery part number	AK9629E/B
Temperature range - Operation	0 - 40°C
- Storage	-10 - 60°C



- | | |
|--------------------|---------------------|
| 1 External Measure | 8 Battery Cover |
| 2 Internal Measure | 9 ZERO/ABS Switch |
| 3 Depth Measure | 10 ON/OFF Switch |
| 4 Step Measure | 11 mm/inch Selector |
| 5 Main Blade | 12 LCD Display |
| 6 Scale Surface | 13 Clamping Screw |
| 7 Slider | 14 ORIGIN Switch |

3. OPERATION

- ❑ **WARNING! Ensure that you have read and understood Section 1 safety instructions before commencing.**
- x DO NOT use the caliper if damaged.
- x DO NOT use the caliper for any purpose other than for which it is designed.
- x DO NOT get caliper wet or use in damp or wet locations, or areas where there is condensation.
- x DO NOT dip or submerge the caliper in any type of liquid.
- x DO NOT expose caliper to bright sunlight or dust.
- x DO NOT dis-assemble caliper. The caliper must be checked by qualified service personnel only.
- x DO NOT apply any voltage to the caliper i.e. with an electric marker pen.
- ✓ The caliper is a precision instrument, 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 caliper in reasonably constant temperature conditions of approximately 20°C
- ✓ When not in use, store caliper in a safe, dry, childproof location.

1. Before first use wipe caliper with a soft cloth to remove the protective film of oil (fig.1) and insert battery - see Section 4.
2. Turn on caliper by pressing ON/OFF switch and allow at least one second before use.
3. Loosen clamp screw and close caliper; if read-out does not show zero **when in closed position**, reset by pressing ORIGIN switch.
4. Select 'mm' or 'inch', as required, with the mm/inch selector switch. Check that display shows the required units.
5. Measurements will now be shown directly on the LCD display.
6. Error Messages
 - a) Display 'B' - battery exhausted - replace. See Section 4.
 - b) Display 'E--05' - either scale surface is contaminated - wipe with a clean, soft cloth or caliper slide has been moved too quickly - move more slowly. Press ZERO/ABS switch to reset and clear error message.
7. A new 'zero' may be obtained, at any open position of the caliper, by pressing the ZERO/ABS switch. 'INC' (incremental) will appear in the display. Subsequent pressing of the switch for approx. two seconds will revert to measurement from the caliper closed position (absolute) and the 'INC' display will cancel.
8. Occasionally apply a smear of low viscosity oil to the scale surface to prevent corrosion.

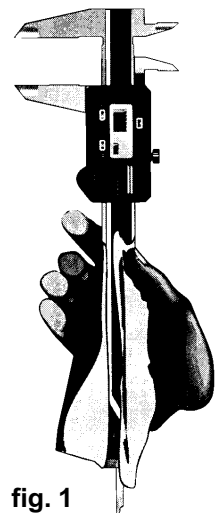
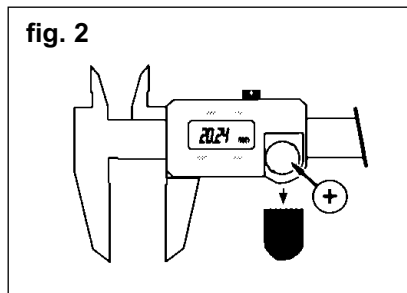


fig. 1

4. BATTERY FITTING

Use only a genuine replacement battery, Part Number AK9629E/B, which can be obtained from your local Sealey distributor.

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



Declaration of Conformity

We, the sole UK distributor, declare that the product listed here is in conformity with the following EEC standards and directives.

ELECTRONIC VERNIER CALIPER
MODEL AK9629E
89/336/EEC
Electromagnetic Compatibility Directive

Standards
EN55011:1991 Group 1, Class B
EN50082-1:1992



The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

Signed by Mark Sweetman



1st May 1999

For Jack Sealey Ltd. Made in England.

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:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



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