



80-1000V NON-CONTACT VOLTAGE DETECTOR

MODEL NO: **AK1998.V3**

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 & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear protective gloves



Wear protective clothing



Indoor use only

1. SAFETY

- WARNING!** *Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.*
- NOTE: FOR USE BY COMPETENT PERSONS** Anyone using this instrument should be knowledgeable and trained about the risks involved with measuring voltage, especially in an industrial setting, and the importance of taking safety precautions and of testing the instrument before and after using it to ensure that it is in good working condition.
- ✓ Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.
- ✗ **DO NOT** use the unit if it is wet or damaged.
- ✗ **DO NOT** operate with the case open.
- ✓ Only use the tester as specified, or the protection supplied by the voltage detector can be compromised.
- ✗ **DO NOT** rely on the voltage detector to detect the presence or absence of voltage on a conductor for safety purposes. A single pole non-contact voltage detector such as this product is not suitable to determine if a circuit is hazardous. A volt meter or 2-pole voltage detector is necessary to confirm the absence of hazardous voltage prior to commencing work.
- ✗ **DO NOT** use if the light/buzzer fails to operate.
- ✗ **DO NOT** expose the unit to extremes in temperature or high humidity. Refer to 'Specifications' as failure to observe these precautions may result in severe injury and can damage the tester.
- ✓ Test on a known voltage first to make sure that the voltage tester operates correctly. This should be done both before and after each repair.
- NOTE:** When using the voltage detector if tip does not glow, voltage could still be present. The detector indicates active voltage in the presence of electric fields of sufficient strength generated from the source mains voltage. If the field strength is low, the detector may not provide indication of live voltages. Lack of an indication occurs if the detector is unable to sense the presence of voltage, which may be influenced by several factors such as shielded wire and cables, thickness and type of insulation, distance from the voltage source, condition of the detector and batteries.
- ✓ Hold the tester behind the tactile barrier.
- ✓ Always have detected faults to be rectified by a qualified electrician.
- CAUTION** with voltages above 30V AC as a shock hazard may exist.
- WARNING!** The AK1998.V3 will not detect voltages in cables connected to a centre tapped earth supply e.g. 110V transformer or generator.

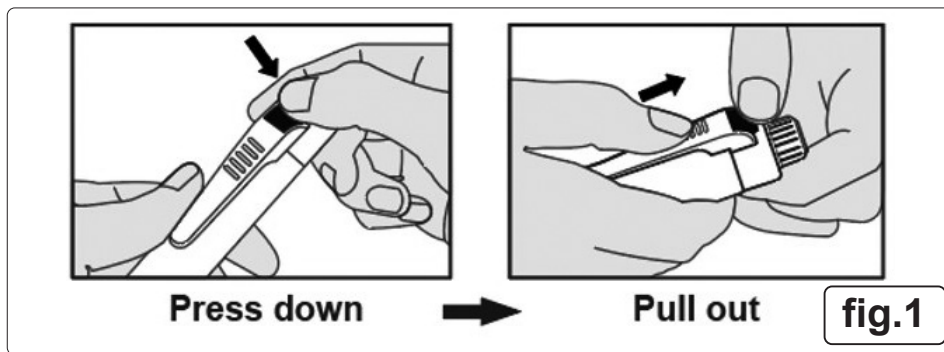
2. INTRODUCTION

Non-contact voltage detector with LED/audible indication. Designed for quickly identifying wire and cable breaks as well as detecting voltage in fuses, cables, switches, outlets, lighting fixtures and many more. Features two selectable voltage settings, low voltage ranges from 80V and high voltage from 230V. Requires 2 x AAA batteries (not included).

3. SPECIFICATION

Model No:..... AK1998.V3
 Altitude: up to 2000m
 Dimensions:26 x 22 x 160mm
 Display: Green LED
 Frequency:50-60Hz
 Overvoltage Category: CATIII
 Operating Temperature: 0°C to +40°C at RH <80%
 Voltage Range:80-1000V

4. BATTERY REPLACEMENT



Battery removal see fig.1.

NOTE The direction of how the batteries are to be installed is embossed on the side of the voltage detector.

5. OPERATION

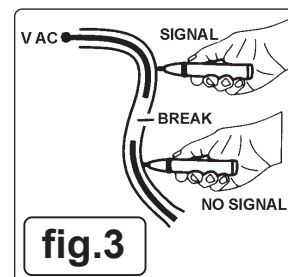
- 5.1. With the batteries installed (see section 4), turn the unit on by rotating the switch to choose high or voltage sensitivity. The green LED will flash once and the audible output will beep once when "High V" or "Low V" is selected. This indicates the batteries are functioning correctly.
- 5.2. Bring the probe (fig.2) in close proximity to the conductor, the red LED and audio output will indicate the presence of an AC supply voltage within the range stated in the specifications. To determine magnitude and or frequency an appropriate metering device is required.



- 5.3. Insulated cores may be checked for continuity breaks (fig.3).
NOTE: Each core must be individually connected to a detectable voltage.
- 5.4. Electrical sockets (80V - 230V) can be checked by placing the probe tip into socket terminal aperture.
- 5.5. **NOTE:** Wait until the LED and the audible output finishes before proceeding with the next operation. Using this device near equipment that generates electromagnetic interference may result in inaccurate indications.

6. MAINTENANCE

- 6.1. Periodically wipe the casing with a damp cloth **DO NOT** use abrasives or solvents.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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 this product.

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

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