

EN

Original Instructions
Version 1
April 2024



ELECTRONIC **STETHOSCOPE**

24701



**UK
CA** **CE**

User Manual for: Electronic Stethoscope

Stock No: 24701

Part No: ETES

Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual.

Please visit drapertools.com/manuals for the latest version.

2.1 Intended Use

This product is designed to swiftly & effortlessly pinpoints the source of automotive noises & vibrations. Useful for fault finding on engines, gearboxes and bearings when ambient noises are extreme. Equipped with a volume control, set of headphones & extra-long probe for restricted areas.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

2.2 Specification

Stock No.	24701
Part No.	ETES
Power Supply:	1x PP3 9V (battery not supplied)
Net Weight:	152g
Dimensions (L X W X H)	192 X 48 X 30mm
Probe Length:	187mm
Probe Diameter:	4mm
Headphone Lead Length:	1050mm

3. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the vehicle.



WARNING! Ensure that all Health & Safety, local authority and general workshop practice regulations are adhered to when using this tester.

- Wear suitable eye protection.
- Ensure the cable and probe cannot come into contact with moving parts.



WARNING! DO NOT attempt to repair or service unless qualified to do so.

- Tester is not waterproof. **DO NOT** allow water inside the case.
- **DO NOT** allow untrained persons to operate the tester.

- **DO NOT** allow children to play with the tester.
- **DO NOT** use this device if the tester, leads or probe are damaged in any way or if there is evidence of battery leakage.
- The battery must be replaced with one with the same specification.
- When replacing the battery check that it is fitted in the correct +/- orientation.
- Remove the battery when storing the tester for extended periods.
- **DO NOT** store in a place of high temperature or humidity.

4. Symbols



Read the instruction manual



Warning!



Do not incinerate or throw onto fire



Wear face mask and safety glasses



Keep out of the reach of children



WEEE – Waste Electrical & Electronic Equipment

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish.

5. Identification

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- | | |
|--------------------|----------------------------------|
| (1) Test probe | (5) ON/OFF switch/volume control |
| (2) Probe port | (6) Battery indicator light |
| (3) Amplifier | (7) Battery compartment |
| (4) Headphone port | (8) Head phones |

Please visit drapertools.com for our full range of accessories and consumables.

6. Installing the battery

1. Unclip the battery compartment and fit 1X 9V battery (not supplied).
- Ensure the correct +/- orientation.
- If the indicator light (6) is not on replace the battery.

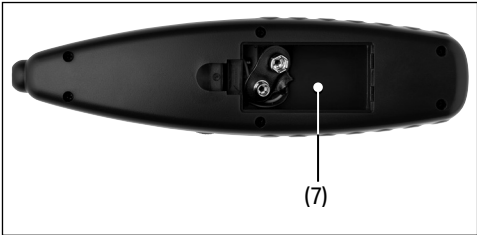


Fig. 1

7. Operation

Important: Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is fully assembled and correctly prepared for use.

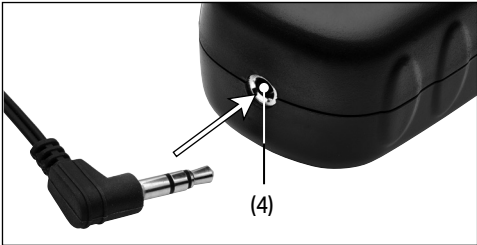


Fig. 2

1. Plug the headphones into the port (4).

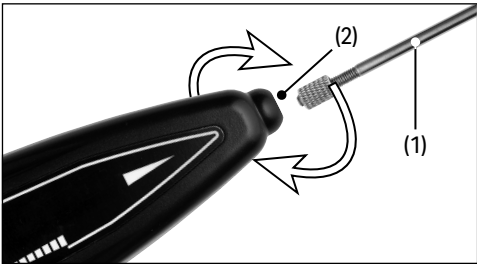


Fig. 3

2. Screw the probe (1) into the probe port (2).

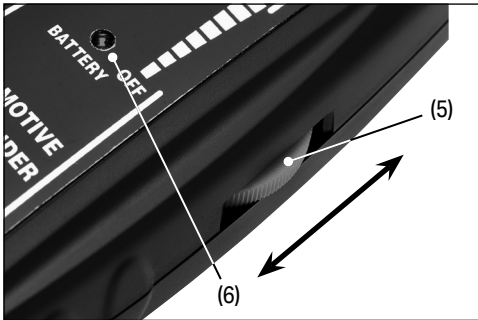


Fig. 4

3. Rotate the thumb wheel (5) to turn on the probe and adjust the volume – the battery light (6) will come on when tester is switched on. Rotate halfway for the clearest sound and least amount of background noise.
4. Adjust the volume as required.
5. Place the probe tip near the part to be tested.
 - To preserve the battery life always switch off after use.

Diagnostic Testing		
Headphone Noise	Indicates	Cause
Clear sound with high pitch.	Vibrations with high frequency.	Partial damage/ small crack on stronger metal components.
Less clear sound with low tones.	Vibrations with low frequency.	Higher degree of damage/larger crack on larger, longer and weaker components.
Noise increasing.	Defect getting worse.	Louder the noise the more serious the defect.
Noise random or intermittent.	Components are loose.	Condition is critical.

8. Maintenance, Storage and Disposal

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- Wipe the case with a damp cloth and a mild detergent. **DO NOT** use solvents or abrasives to clean the tester.
- At the end of its working life, dispose of the product responsibly and in line with local Regulations. Recycle where possible.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.



9. Warranty

24 months

Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for full details.

Contact Details

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.