

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 ear protection

1. SAFETY

- ❑ **WARNING!** Damage to the human ear can begin at 85dB and above. Always wear ear defenders when testing the sound level in a new situation. Do not assume that the sound level is safe until you have actually measured it.
- ❑ **WARNING!** This equipment can be used in a wide variety of situations where noise is a concern including the home, traffic situations, industrial environments, building sites, airports etc. In each case, the user of the equipment must familiarise themselves with the safety regulations that apply to the particular situation in which the equipment will be used and do their own risk assessment in order to stay safe and avoid personal injury.
- ✓ Familiarise yourself with the applications, limitations, and potential hazards of the sound level meter.
- ✓ Keep the sound level meter clean and in good condition.
- ✓ Protect the sound level meter from electro-magnetic fields, static electricity and high temperatures.
- ✓ Remain vigilant when using the sound level meter on, or near, machinery where there are rotational parts such as belts, pulleys and fans.
- ✓ 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, and contain and/ or tie back long hair.
- ✗ **DO NOT** get the sound level meter wet or use in damp or wet locations or areas where there is condensation.
- ✗ **DO NOT** use the sound level meter for any purpose other than for which it is designed.
- ✗ **DO NOT** allow untrained persons to operate the sound level meter.
- ✗ **DO NOT** operate the sound level meter when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ❑ **WARNING:** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

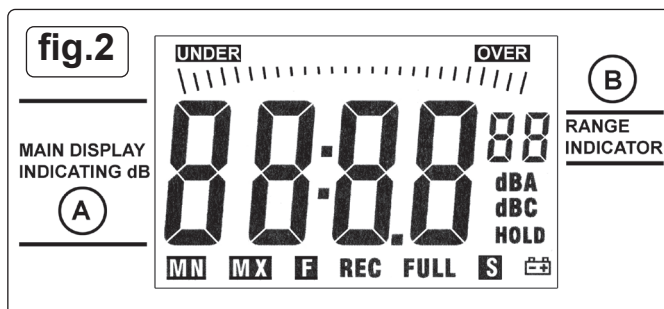
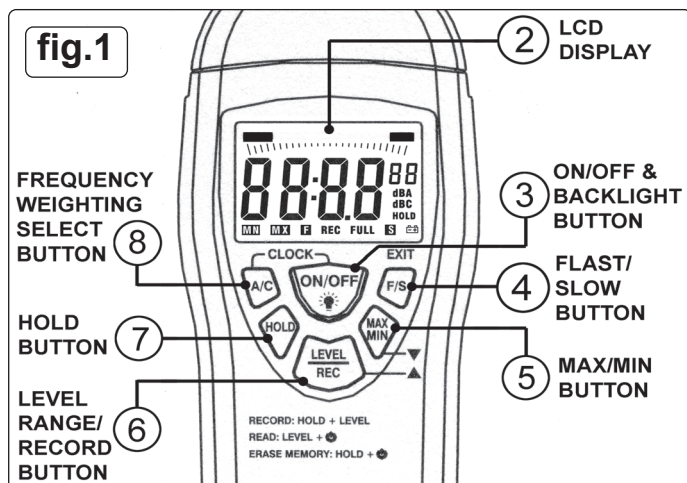
2. INTRODUCTION

High quality meter suitable for measurement of environmental and mechanical noise. Conforms to IEC61672-1 class 2 for sound meters. Features min./max. measurements, over and under range, A and C weighting, fast and slow response, data hold, record, digital read-out and bar graph with backlight. Supplied in storage case.

3. SPECIFICATION

Model no TA060
 Accuracy ±1.4dB
 Frequency 31.5Hz-8Hz
 Battery 9v (supplied)

SYMBOL	FUNCTION
MN	MIN - Minimum sound level capture
MX	MAX - Maximum sound level capture
F	FAST - sampling rate
REC	DATA has been recorded
S	SLOW - sampling rate
	Low battery indicator
HOLD	Data hold function
dBc	C: Weighting, response to machine monitoring
dBa	A: Weighting, response to human hearing
OVER	Over upper limit of range
UNDER	Under minimum limit of range



4. MAIN FUNCTIONS

4.1. Power ON/OFF and backlight button. (Fig.1-3)

4.1.1. Press the button once to turn the meter ON.

4.1.2. Press it once more to turn backlight ON.

4.1.3. Press it once more to turn backlight OFF.

4.1.4. To turn the unit OFF hold the button down continuously whilst the display counts down **P - - 3, P - - 2, P - - 1**. When the screen is blank, let go of the button.



4.2. **FREQUENCY WEIGHTING SELECT BUTTON** (Fig.1-8)

4.2.1. The button switches between two settings.

4.2.2. A: Weighting (the display shows '**dB**A') This setting deals with frequencies which affect human hearing.

4.2.3. B: Weighting (the display shows '**dB**C') This setting deals with frequencies measured from machines.

4.3. **HOLD BUTTON** (Fig.1-7)

4.3.1. **Data Hold Function**

4.3.1.1. Press button once to freeze the reading on the display.

4.3.1.2. Press button again to return to live monitoring.

4.3.2. **Data Zero Function**

4.3.2.1. Firstly hold down the 'HOLD' button then hold down the power button as well. Keep both buttons held down until the display shows 'CLA' which indicates that all readings stored in memory have been cleared.

CLA

4.4. **LEVEL RANGE & RECORD FUNCTION** (Fig.1-6)

4.4.1. **Range Select Button**

4.4.1.1. The range level is represented on the display by the two small digits which appear at the top right hand corner of the main four digit display. (Fig.2-B) Cycle through the available levels by repeatedly pressing the LEVEL/REC button.

01 represents the 'Lo' level: **30 - 80dB**

02 represents the 'Med' level: **50 - 100dB**

03 represents the 'Hi' level: **80 - 130dB**

04 represents the 'Auto' level selection: **30 - 130dB**

4.5. **REC RECORD FUNCTION**

4.5.1. To record readings, firstly press the 'HOLD' button to freeze the display. Then press the LEVEL/REC button to enter the reading into memory. 'REC' will appear on the display indicating that the reading has been saved. Press the 'HOLD' button again to return to live monitoring.

4.5.2. **Data Reading Function**

4.5.2.1. To read the recorded data it will first be necessary to power down the meter by holding down the ON/OFF button.

4.5.2.2. Now hold down the LEVEL/REC button and press the ON/OFF button once. When the word '**dAtA**' appears on the screen, let go of the LEVEL/REC button and the first stored reading will appear on the screen. Up to 50 readings can be stored. Repeatedly press the LEVEL/REC button to step through the readings. Each reading is numbered 1 to 50 as shown by the two small digits at the top right hand of the main display. See fig.2-B. Each reading has a date and time associated with it. Press the HOLD button once to see the date associated with the recording. Press the HOLD button again to see the associated time. A third press of the button returns the display to the reading. **Note: The date and time need to be set up, as described in section 4.7.** Press the F/S button (also marked EXIT) to return to live monitoring.

4.6. **MAX/MIN BUTTON: MAXIMUM AND MINIMUM HOLD** (Fig.1-5)

4.6.1. The MAX/MIN button can be pressed repeatedly to cycle through **MX**, **MN** and OFF. Select the required mode. When **MX** appears under the main readout the maximum sound level will be captured and held by the meter until a higher sound level is captured. When **MN** appears under the main readout the minimum sound level will be captured and held by the meter until a lower sound level is captured.

4.7. **SETTING THE TIME AND DATE**

4.7.1. To set the date and time, begin with the meter in the OFF condition. To enter the SET UP mode, hold down the A/C button and press the ON-OFF button until '**SET**' appears on the screen. Release both buttons.

4.7.2. **Current Date Set:** The currently set date will appear on the screen in the format shown to the right. **Day/Month/Year**. This screen cannot be edited.

28:08⁰⁷

4.7.3. **Current Time Set:** Press the A/C button again to see the currently set time in the format shown to the right. **Hours/Minutes/Seconds**. This screen cannot be edited.

16:58¹⁸

4.7.4. **To Edit Minutes:** Pressing the A/C button again you enter 'edit minutes' mode. Use the Level/Rec button to advance the number. Use the Max/Min button to decrease the number.

--06⁻¹

4.7.5. **To Edit Hours:** Pressing the A/C button again you enter 'edit hours' mode. Use the Level/Rec button to advance the number. Use the Max/Min button to decrease the number.

--06⁻²

4.7.6. **To Edit Date:** Pressing the A/C button again you enter 'edit date' mode. Use the Level/Rec button to advance the number. Use the Max/Min button to decrease the number.

--16⁻³

4.7.7. **To Edit Month:** Pressing the A/C button again you enter 'edit month' mode. Use the Level/Rec button to advance the number. Use the Max/Min button to decrease the number.

--07⁻⁴

4.7.8. **To Edit Year:** Pressing the A/C button again you enter 'edit year' mode. Use the Level/Rec button to advance the number. Use the Max/Min button to decrease the number.

--07⁻⁵

4.7.9. To exit SET UP mode and save your settings press HOLD once.

4.7.9.1. If you continue to press the A/C button in edit mode the initialization/reset screen appears. If you now press the A/C button again your personal settings will be lost and the screen reverts to the original factory settings.

5. OPERATION

❑ **WARNING: In strong wind conditions it is essential that the wind muffler is used to avoid picking up unnecessary background noise, see fig.3 below.**

5.1. Switch the meter on by pressing the ON/OFF button.

5.2. Press the LEVEL/REC button up to four times to cycle through to the best level for the measurement task in hand. Keep an eye on the OVER and UNDER indicators at the top of the LCD display. Select a level where these indicators are off.

5.3. Using the A/C button select 'dBA' for recording general sound levels in relation to human hearing and 'dBC' for measuring the sound level of general acoustic material.

5.4. Using the F/S button select either FAST sampling for instant sound and SLOW sampling for average sound level.

5.5. Using the MAX/MIN button select whether you require to monitor the maximum sound level predominant at the time of measuring or the minimum sound level.

5.6. Begin measuring sound levels by either using the unit held in your hand or mount it on a tripod. The meter should be 1 to 1.5 metres away from the sound source.

5.7. Record sound levels as required as described in Data Reading Function section.

6. MAINTENANCE

* **DO NOT** store or operate the meter at high temperature or in conditions of high humidity.

6.1. If the meter is not to be used for long periods of time, remove the battery to avoid harmful liquid leakage.

6.2. Keep microphone dry and avoid severe vibration.

6.3. When the battery symbol shows on the readout replace the 9V battery (PP9). 



BATTERY REMOVAL

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd Batteries Producer Registration Number (BPRN) is BPRN00705.



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.



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.

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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