



DIGITAL COMPRESSION TEST KIT 10PC

MODEL NO: **VS956**

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
instructions



Wear eye
protection

1. SAFETY

- ☐ **WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- ☒ **DO NOT** use tools if seals or threads are damaged. Any defective seal **MUST** be changed before use to avoid incorrect readings.
- ☒ Maintain tools in good and clean condition for best and safest performance.
- ☒ Ensure that a vehicle which has been jacked up is adequately supported with axle stands.
- ☒ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey stockist.
- ☒ Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery and tie back long hair.
- ☒ Ensure any disconnected fuel pipes are plugged to avoid spillage.
- ☒ Ensure that the correct connector is used for the engine being tested.
- ☐ **WARNING!** Always release the pressure from the gauge before disconnecting the coupling.
- ☒ Account for all tools, and parts being used and **DO NOT** leave them in or near the engine.
- IMPORTANT:** Always refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data.
- ☐ **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

Real-time compression pressure readings. Easy-to-read digital display. 2.8-inch backlit display. Pressure units – PSI, bar, kg/cm². Auto power off. The set includes four extension hoses, five plug thread adaptors from 10 to 18mm and a self-sealing quick connector. Suitable for most petrol engine cars and light commercials. Supplied in storage case.

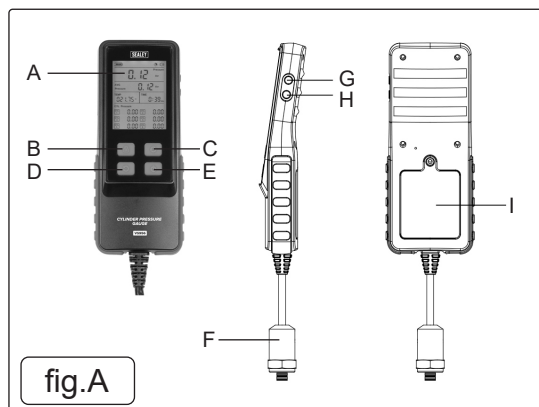
3. SPECIFICATION

Model No:	VS956
Nett Weight:	1.5kg
Operating Temperature:	-10 to 60°C
Operating Voltage:	6V
Pressure units:	PSI, bar, kg/cm ²
Accuracy:	0.5% FS
Range:	0 to 435psi (0 to 30 bar)
Resolution:	0.01bar, 0.01kg/cm ² , 0.01psi.

Battery:	AAA x4 (not supplied)
Overload Pressure:	580psi (40bar)
Hose Length:	1150mm
Contents:	M10x1.0, M12x1.25, M14x1.25, M16x1.5, M18x1.5mm, Straight extension with safety lock, Flexible extension with safety lock, Angled extension with rubber stop, Straight extension with rubber stop.

4. FEATURES

A	Display
B	[] Press to save cylinder data; B Long press to lock/unlock the interface
C	[] Pressure units convert
D	[] Click press: interface data clearing; D Long press: pressure zeroing
E	[] Press to switch temperature units; Long press to turn on/off the instrument
F	Measuring Probe
G	[] Press to turn on/off the key tone
H	[] Press to turn on/off the backlight
I	Battery Cover



4.1. INTERFACE DISPLAY

PRESSURE	Real-time pressure value
AVG PRESSURE (average pressure)	Average pressure value
TEMP	Current Temp
TIME	Measuring time

CYL PRESSURE (cylinder pressure)	Cylinder pressure value
CYL1(cylinder 1)	Pressure value of cylinder 1
CYL2(cylinder 2)	Pressure value of cylinder 2
CYL3(cylinder 3)	Pressure value of cylinder 3
CYL4(cylinder 4)	Pressure value of cylinder 4
CYL5(cylinder 5)	Pressure value of cylinder 5
CYL6(cylinder 6)	Pressure value of cylinder 6

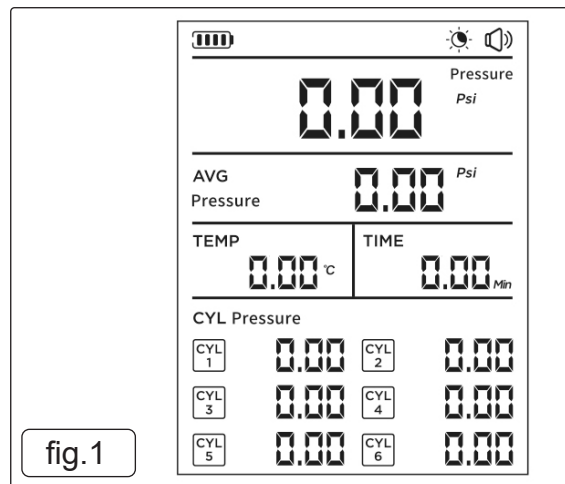


fig.1

5. OPERATION

5.1. BATTERY INSTALLATION (FIG.3)

- 5.1.1. Remove rear battery cover by unscrewing the case screw.
- 5.1.2. Insert batteries (4x1.5VAAA). See next step.
- 5.1.3. Slide the flat, negative end of the battery against the spring onto the device. Then, push the raised, positive end into the flat side of the compartment.
- 5.1.4. Replace battery cover and screw in the case screw.

5.2. OPERATIONS

- 5.2.1. Press the (E) button for more than 2 seconds to start the instrument. (FIG.A).
- 5.2.2. Press the (D) button to zero the display. (FIG.A).
- 5.2.3. Select the adapter suitable for the vehicle, connect it to the hardware cable. (FIG.2).
- 5.2.4. Connect to the engine.
- 5.2.5. Press the (D) button to clear the data. This will reset to zero. (FIG.A).
- 5.2.6. Press the (C) button to switch between pressure units. (FIG.A).
- 5.2.7. Press the (D) button to switch between temperature units. (FIG.A).

5.3. START MEASURING COMPRESSION

- 5.3.1. First start the engine and run it to normal working temperature, stop the engine and remove all the spark plugs.
- 5.3.2. With the throttled-wide open, screw the connector of the pressure gauge into the spark plug hole, or remove the spark plug and select a suitable adapter, connect the adapter to the installation position of the spark plug, confirm that the pressure gauge, adapter and spark plug interface are installed tightly without leakage.
- 5.3.3. Cut off the fuel supply, use the starter motor to drive the engine to rotate at 100-150r/min for 3-5 seconds.
- 5.3.4. The gauge will show compression value.

5.4. DATA SAVING

- 5.4.1. When the current data is saved for the first time, the measurement data will be displayed in CYL PRESSURE; Click the (B) button, the current average pressure value will be saved in CYL1. (FIG.A).
- 5.4.2. Save the current data for the second time, the measurement data will be displayed in CYL PRESSURE; Click the (B) button, the current average pressure value will be saved in CYL2. (FIG.A).
- 5.4.3. With such operations, according to the measurement sequence of each cylinder of the engine, the current average pressure value data is saved six times.
- 5.4.4. After the measurement is completed, press (E) button for 2 seconds to shut down (it is required to be conducted under atmospheric pressure). (FIG.A).
- 5.4.5. The device will automatically power off after 5 minutes of inactivity.

6. MAINTENANCE

6.1. GENERAL

To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully:

- 6.1.1. Regularly check the product parts that need to be tightened and connected.
If found loose, tighten to ensure the safe operation of the equipment.
- 6.1.2. The external and internal parts of the equipment in contact with various

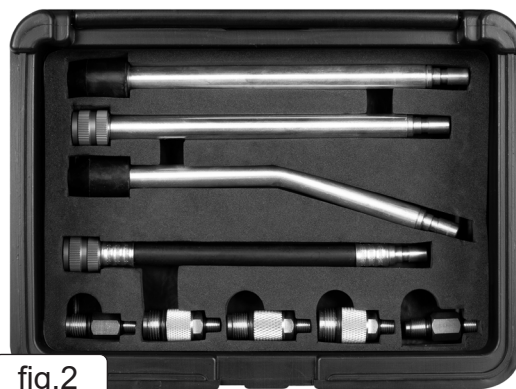


fig.2



fig.3

chemicals should be frequently treated with anti-corrosion treatment such as rust removal.

6.1.3. Comply with the safe operating procedures and **DO NOT** overload the equipment.

6.2. STORAGE

6.2.1. When not in use, please store the product in a dry childproof place. **DO NOT** store the product in hot, humid, or non-ventilated places.

7. END OF LIFE

7.1. Through years of normal wear, the digital compression test kit will eventually become unserviceable. When this happens ensure that it is disposed of in accordance with local authority regulations.

7.2. BATTERY DISPOSAL

7.3. Exposure to high temperatures can cause the batteries to explode; **DO NOT** dispose of in a fire. Some countries have regulations concerning battery disposal. Follow all applicable regulations. Return used batteries to a collection location for recycling.



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.



REGISTER YOUR
PURCHASE HERE



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's 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.

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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