INSTRUCTIONS FOR: CURRENT TESTER 30A
MODEL NO: EQP-117

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.

1. SAFETY INSTRUCTIONS

► ***WARNING! Suitable only for automotive circuits up to 48V DC.***
Not suitable for domestic 110 - 230V applications.
Observe standard workshop safety procedures when using the tester.

► **WARNING! The Fuse blade may become hot during testing. Allow to cool before removing.**

► **WARNING! DO NOT** exceed Maximum Load: 30A/48V for Max 10sec.

- Ensure vehicle ignition is switched **OFF** before connecting or disconnecting EQP-117.
- Keep the work area clean, uncluttered and ensure there is adequate lighting. Keep tools and other items away from the engine, and ensure you can see the battery and working parts of engine clearly.
- 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. Contain or tie back long hair.
- Keep children and unauthorised persons away from the working area.
DO NOT disassemble. EQP-117must be checked by qualified service personnel only.
DO NOT get the tester wet or use in damp or wet locations or areas where there is condensation.
DO NOT use the tester for any purpose other than for which it is designed.
DO NOT pull by the cables to free from the fuse terminals.
DO NOT operate EQP-117if damaged.
- When not in use store in a safe, dry, childproof location.

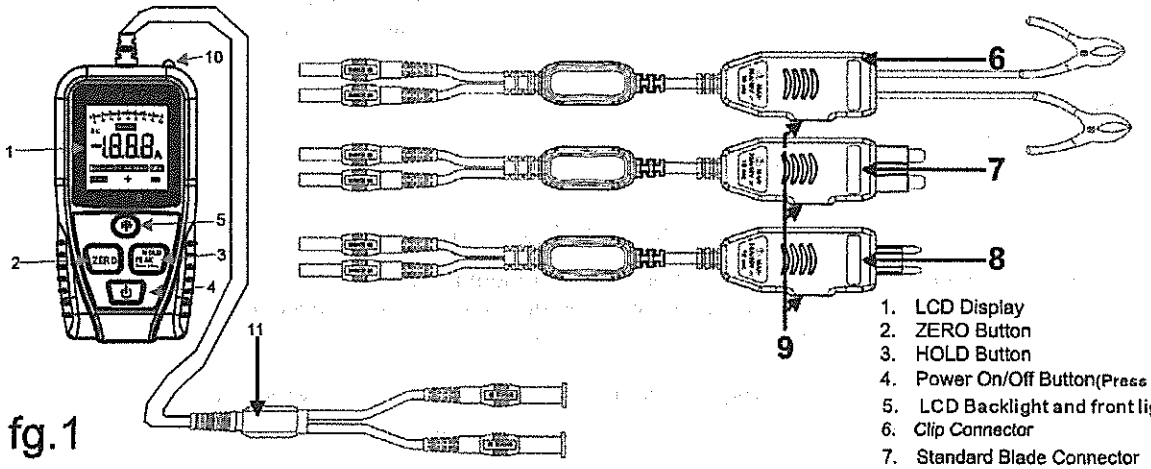
► **WARNING!** The warnings, cautions and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2-1.INTRODUCTION

Fast, accurate and safe current measurement at the fuse box or battery. Ideal for fault-finding on car and commercial vehicle electrical circuits. Features large LCD display with numeric and bar-type functions.
A blacklight and LED lighting function.
Plugs directly into the vehicle's fuse board. Supplied with mini, standard adaptors and fused crocodile clips. Compatible with alternative probes using the standard Ø4mm banana adaptors.

2-2.SPECIFICATIONS

Range: .....0-30A - 0-48V
Accuracy: .....± 2%
Fuse Type: .....Mini, Standard
Max Load: .....30A/48V for Max 10sec
Operating Temp: .....0°C to 50°C (32°F to 122°F)
Storage Temp: .....-20°C to 60°C (-4°F to 140°F)
Relative Humidity: .....<70% operating, <80% storage
Operating Altitude: .....7000ft (2000m) maximum

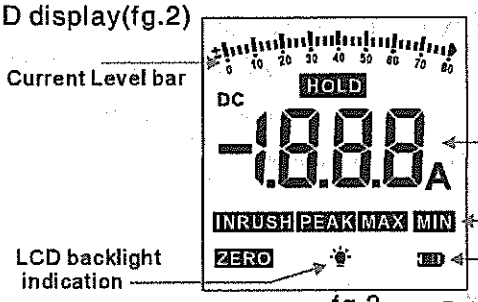


fg.1

1. LCD Display
2. ZERO Button
3. HOLD Button
4. Power On/Off Button(Press 2 seconds)
5. LCD Backlight and front light function
6. Clip Connector
7. Standard Blade Connector
8. MINI Blade Connector
9. Fuse Jack
10. Fornt light function
11. DATA Link

CURRENT TESTER 30A

LCD display(fg.2)



fg.2

Battery Level indication: power. Has following 5 levels:
- :battery is sufficient
- :battery is comparative sufficient
- :battery is nearly deficient
- :battery is nearly exhausted, need to have a replacement
- :battery is exhausted completely.

3. OPERATION

3.1 Measuring

3.1.1 With the vehicle ignition **OFF**, remove the fuse from the circuit to be tested and insert it into the fuse jack (fig.1.9) of the connector to be used, this ensures the correct level of circuit protection.

3.1.2 Attach the connector to the tester ensuring the banana adaptors are matched (i.e positive to positive / negative to negative)

3.1.3 If required switch on the vehicle ignition to energise the circuit and then switch on the ACT30. Press the On/Off button (fig.1.4).

3.1.4 Operate the circuit under test and the LCD will display the measured current.

3.1.5 When finished press the On/Off button (fig.1.4) to turn off the tester.
WARNING! The Fuse blade may become hot during testing. Allow to cool before removing.

3.2 Peak and Hold Function

The Hold function allows the meter to freeze a measurement for later reference. The Peak function captures the peak current measured during the test.

3.2.1 Press the **HOLD/PEAK** button to freeze the reading on the LCD display. The **HOLD** message will appear in the display.

3.2.2 Press the **HOLD/PEAK** button again to return to normal operation.

3.2.3 Press the **HOLD/PEAK** button for 2 seconds, **'PEAK'** will appear in the display, to return to normal operation, press the **HOLD/PEAK** button again.

3.3 ZERO Function

The Zero function allows comparison and offset readings of current.

3.3.1 Press the **ZERO** button to reset the displayed figure to 0.00.

3.3.2 Press the **ZERO** button again to return to the actual current reading.

3.4 LCD Blacklight and Lighting Function:

3.4.1 Press the " ✱ "button,in front LED light lit,press again ,light off.

3.4.2 Press the " ✱ "button 2 seconds,the " ☀ "will appear in LCD display,the LCD backlight ON. Press " ✱ "button for 2 seconds the LCD backlight OFF.

4. MAINTENANCE

4.1 Battery Replacement

Power is supplied by a 9V PP3 battery. The ' ▭ ' symbol appears on the LCD display when replacement is required.
WARNING! To avoid electric shock ensure all inputs are disconnected from any circuit before removing the battery cover.

4.1.1 To replace the battery,remove the battery door from the back of the unit.

4.1.2 Remove the exhausted battery and replace with a new one observing the connection polarity.

4.1.3 Replace cover the battery door.

4.2 Cleaning

Clean using a soft damp cloth.
Store in a safe, dry, childproof location.

Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste.
All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

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.

Battery Removal.

See Section 4.1 for battery removal.
Dispose of batteries according to local authority guidelines.

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