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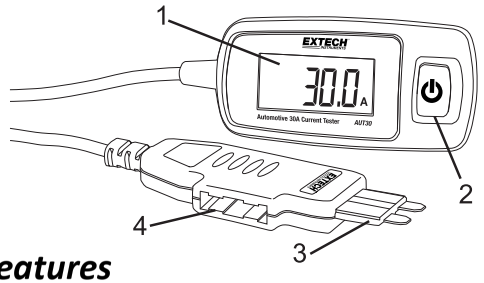
EXTECH INSTRUMENTS

USER GUIDE

Model AUT30 and AUT30M

Automotive 30A Current Testers



Features

- Large digit LCD display
- For use on standard ATC blade size fuse circuits (AUT30) or mini-blade size fuse circuits (AUT30M)
- Measuring range to 30A/48VDC (10 sec. test time max.)

Safety

WARNING: **Risk of Electrocution.** Keep hands and fingers on the body of the probe and away from the blade tips.

CAUTION: Read, understand and follow Safety Rules and Operating Instructions in this manual before using meter.

Do not attempt to repair this unit. There are no user serviceable parts.

Do not expose unit to extreme temperatures/high humidity

Do not use the unit if it is wet or damaged

Do not apply more than the rated voltage between the probe tip and ground.

Do not operate with the case open

This symbol, adjacent to another symbol or terminal, indicates the user the user must refer to the manual for further information.

This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present

Double insulation

Specifications

Range	0 to 30A DC / 48V DC
Resolution	10mA
Accuracy	± (2.0% of reading + 2 digits)
Detection distance	<0.2”
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Altitude	2000 meters (7000 ft.) maximum
Relative Humidity	80% up to 31°C (88°F), decreasing to 50% at 50°C (122°F)
Battery	1 x ‘A23G’ 12Vbattery
Dimensions/Weight	159 x 25mm (6.25 x 1”) / 42g (1.5oz.)
Cable length	50cm (1.6 ft.)

Operating Instructions

1. With the vehicle ignition **OFF**, remove the fuse from the circuit to be tested and set it aside.
2. Insert the meter’s fuse blades (3) into the jack from where the fuse was removed.
3. Insert the removed fuse into the meter’s fuse jack (4).
4. Press the meter’s On/Off button (2)
5. Operate the circuit under test for **up to 10 seconds only**; the LCD (1) will display the measured current.
6. When finished press the On/Off button to turn off the tester.
7. **WARNING!** The Fuse blade may become hot during testing. Allow to cool before removing. **Do not** test > 10 seconds.

BATTERY INSTALLATION

1. To replace the battery, remove the screw from the back of the unit and remove the cover.
2. Insert one 12V ‘A23G’ battery (observe polarity).
3. Replace the battery cover

NOTE: If the meter does not work properly, check the battery to ensure that it’s fresh and properly inserted.

Battery Safety

Never dispose of batteries in a fire; batteries may explode or leak.

Never dispose of used batteries or rechargeable batteries in household waste.
As consumers, users are legally required to take used batteries to appropriate collection sites, the retail store where the batteries were purchased, or wherever batteries are sold.

Disposal: Do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment.

Warranty

FLIR Systems, Inc. warrants this Extech Instruments brand device *to be free of defects in parts and workmanship for* ***one year*** *from date of shipment (a six month limited warranty applies to sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department for authorization. Visit the website www.extech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. FLIR Systems, Inc. specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. FLIR’s total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.*

Calibration, Repair, and Customer Care Services

FLIR Systems, Inc. offers repair and calibration services for the Extech Instruments products we sell. NIST certification for most products is also provided. Call the Customer Service Department for information on calibration services available for this product. Annual calibrations should be performed to verify meter performance and accuracy. Technical support and general customer service is also provided, refer to the contact information provided below.

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