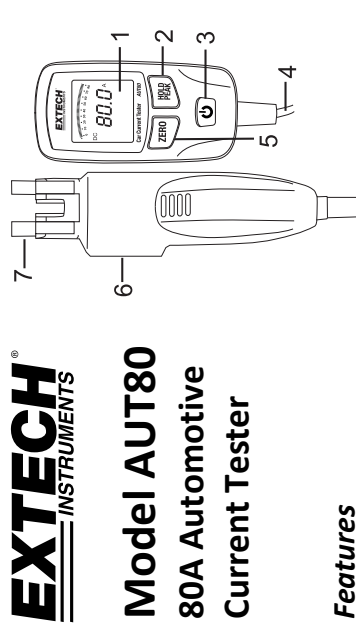




Model AUT80 80A Automotive Current Tester

Features

- Large digit LCD display with bar-graph indication and Data Hold/Peak Hold functions
- For use with mini-blade, maxi-blade, and ATC blade sizes
- Includes maxi-blade, mini-blade adaptor, ATC-blade adaptor, shorting plug, and 1.2m (3.9 ft.) cable
- Measuring range to 80A/48VDC (10 sec. test time max.)

Safety

WARNING: Risk of Electrocutation. Keep hands and fingers away from metal probe blades and fuse insertion points

CAUTION: Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product. Do not attempt to repair unit. There are no user serviceable parts. Do not expose the unit to extreme temperatures or high humidity. Do not use the unit if it is wet or damaged. Do not apply more than the rated current and voltage. 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 80ADC / 48VDC
Resolution	100mA (0.1A)
Accuracy	± (2% of reading + 4 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	2000m (7000 ft.) maximum
Relative Humidity	80% to 31°C, decreasing linearly to 50% at 50°C
Battery	1 x 9V battery
Dimensions and Weight	112 x 45 x 33mm (4.4" x 1.8" x 1.3") 165g (0.4 lbs.)

Operating Instructions

1. Turn the vehicle ignition **OFF**.
2. Determine if the fixed maxi-blade (7) or one of the adaptors (mini-blade or ATC-blade) will be used.
3. If necessary, connect an adaptor (mini-blade or ATC-blade) to the maxi-blades by sliding the adaptor down over the maxi-blades until it locks in place. Use caution as the blades can cause injury if mishandled.
4. Remove the fuse from the vehicle's fuse block for the circuit under test.
5. Plug the test blades into the fuse box (where the fuse was removed).
6. If maxi-blade fuses are being used, insert the removed maxi-blade fuse into the fuse jack (6) on the tester cable.
7. If a mini-blade or ATC-blade adaptor was used, insert the shorting plug blade into the fuse jack (6) on the tester cable. The shorting plug is the supplied amber color plug.
8. Before continuing please note that tests should be limited to a 10 second period. Longer tests could damage meter.
9. Press the meter's Power button (3) to switch it ON.
10. Press the ZERO button (5) to zero the displayed reading.
11. Power the circuit under test **up to 10 seconds only** and read the measured DC current on the LCD bargraph and display digits (1).
12. Press the HOLD/PEAK button (4) momentarily to freeze the displayed reading (the HOLD icon will appear). Press HOLD/PEAK again to exit (HOLD icon switches OFF).
13. Press and hold the HOLD/PEAK button to place the meter in PEAK mode (the meter captures the quick in-rush current peak). The PEAK icon will appear. Press and hold the HOLD/PEAK button again to return to the normal operating mode (PEAK icon switches OFF). Note that the HOLD and PEAK modes can operate simultaneously.
14. When finished press Power (3) to switch the meter OFF.
15. **WARNING!** The fuse blades 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 or replace the 9V battery (observe polarity).
3. Replace the battery cover

USER GUIDE

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

Battery Safety Reminder

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

You, as the end user, are legally bound (**EU Battery ordinance**) to return all used batteries, **disposal in the household garbage is prohibited!** You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold!



Disposal: Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle

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

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.

**Support Lines: U.S. (877) 439-8324
International: +1 (603) 324-7800**

Technical Support: Option 3; E-mail: support@extech.com

Repair & Returns: Option 4; E-mail: repair@extech.com

Product specifications are subject to change without notice
Please visit our website for the most up-to-date information

www.extech.com

FLIR Commercial Systems, Inc., 9 Townsend West, Nashua, NH 03063 USA
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