

LASER[®]

Part No. 9472

12V Battery & Charger System Tester - with Built-In Printer Instructions



www.lasertools.co.uk

Introduction

The Laser 9472 is a robust, professional-grade, smart battery tester with the ability to also test the vehicle's charging and starter systems, all combined with a built-in printer.

- Battery testing: AGM, EFB, GEL, Lead Acid, VRLA, 12V Lithium-ion batteries, including LiFePO4 (Lithium Iron Phosphate).
- Data can be saved and printed directly from the tester. 99 data set memory. Supplied with 2x print rolls.
- Supports 12V individual battery tests and 12V/24V cranking/charging system diagnostics. High voltage protection - tester will switch off at voltages above 35V.
- 2.8" (70mm) TFT screen.
- QR Code Integration: Export test results instantly via QR code for digital record-keeping.
- CE & RoHS compliant.

Replacement printer roll available, please see Laser Part No: 5283.

Voltage Range	7 - 30V DC
Special Test Clamps	Double conductor Kelvin
Main Body Material	Acid-resistant ABS plastic
Working Temperature	-18~50°C

Measure Standard	Measure Range
CCA	40-3000
BCI	40-3000
CA	40-3000
MCA	40-3000
JIS	26A17-YTZ6

Measure Standard	Measure Range
DIN	40-2000
IEC	40-2000
EN	40-3000
SAE	40-3000
GB	3-360Ah



Safety Protection

Always take extreme care when connecting the tester to the vehicle battery:

Always connect RED test clamp to the POSITIVE terminal of the battery first. Then connect the BLACK test clamp to the NEGATIVE (ground) terminal. Tester will power on automatically.

Note: a battery voltage below 7V will not test correctly.

Danger of sparking: (explosion risk) if vehicle battery has recently been charged, ensure area is well ventilated and ensure eye protection is worn before connecting the tester.

When disconnecting, always remove the black cable clamp from the negative battery terminal of the battery first.

Functions

Battery test

Cranking test

Charging test

CCA range: 40-3000 CCA

Battery types: AGM/EFB/WET/MF/LiFePO4

2.8inch TFT LCD colour display

Memory function: review up to 99 stored data readings

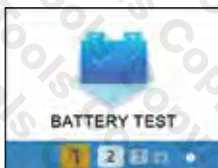
Applicable for all 12V car and motorcycle batteries

Instructions

Main Functions



1. Battery Test



a) Access to battery test function



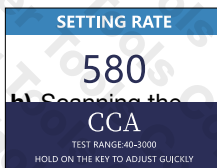
b) Select charging status



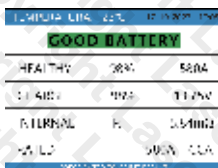
c) Select battery type

SELECT STANDARD	
CCA	RV
SAE	IEC
JIS	Ah
DTN	MCA
BCT	CA

d) Select battery standard



e) Input rated value

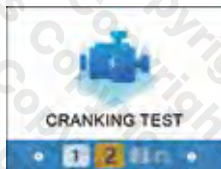


f) Battery test results

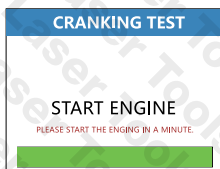


Instructions

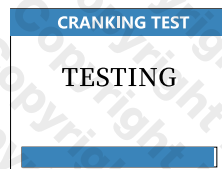
2. Cranking Test



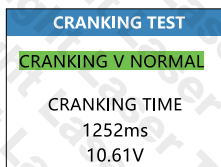
a) Enter cranking test



b) Start Engine



c) The testing process

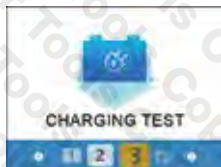


d) Cranking test results



e) Print Test Results

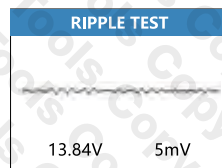
3. Charging Test



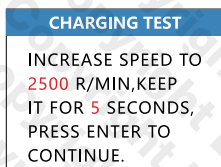
a) Enter charging test



b) Start Engine



c) Ripple test



d) Do charging test

CHARGING TEST	
CHARGING V NORMAL	
LOADED V	13.89V
UNLOADED V	13.93V
RIPPLE V	15mV
RIPPLE V	NORMAL

e) Charge test results



f) Print test results

Instructions

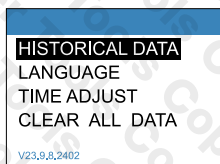
4. Set Up

Historical Data

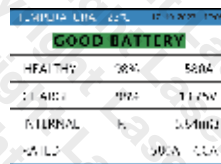
Enter SET UP, then HISTORICAL DATA. Up to 99 test records are displayed (most recent first). Scroll through the records by selecting the UP and DOWN buttons. Press ENTER to export the data, (QR code produced), then press ENTER again to print if required.



a) Go to SET UP



b) Historical data



c) Up and down keys to view historical results

The tester can be connected to a PC or laptop USB port via a suitable USB to USB-C cable. On the tester, the USB-C port is at the bottom of the unit adjacent to the clamp leads.

To access the exported data, download (from Microsoft) and install **Serial Debug Assistant** (free). With this app the records can be viewed on the PC (as with the tester, scroll through the records by selecting the UP and DOWN buttons), and the data can be saved as a text file.

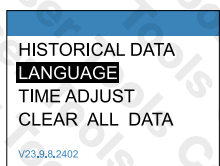
Language

Select LANGUAGE on the SET UP menu. Included languages are:

ENGLISH, FRENCH, ITALIAN, SWEDISH, SLOVAK, HUNGARIAN, GERMAN, RUSSIAN, POLISH, TURKISH.



a) Go to SET UP



b) Select Language

LANGUAGE	
ENGLISH	MAGYAR
FRANÇAIS	DEUTSCH
ITALIANO	RUSSIAN
SVERIGE	POLSKI
SLOVENČINA	TÜRKÇE

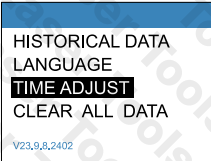
c) All languages

Instructions

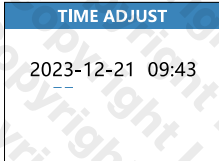
Date and Time adjustment



1) Go to SET UP



2) Select Time Adjust



3) Adjust the time and date

QC Mode (Fast Test)



1) Enter QC mode



2) Battery test result

Safety Warnings - please read



- Always take extreme care when connecting the tester to the vehicle battery.
- Always connect red cable clamp to the positive terminal of the battery first. When disconnecting, always remove the black cable clamp from the negative battery terminal of the battery first.
- Danger of sparking: (explosion risk) if vehicle battery has recently been charged, ensure area is well ventilated and ensure eye protection is worn before connecting the tester.
- Danger of sparking: do not connect tester if there are any fuel leaks or fuel vapour present.
- Do not use the tester if the clamps or clamp cables are damaged.
- Do not let the tester get wet or use in damp or wet conditions.
- Keep the tester clean and store in a dry and secure area.
- At end of life, dispose of the tester according to local authority guidelines.
- No liability is accepted for incorrect use of this product - do not use the product for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.

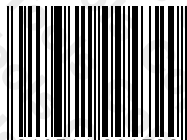


Safety First. Be Protected.

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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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this bottle please recycle it

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Guarantee



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