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12V 24V

Intelligent tester
12V 24V batteries
EUROKOMP E6150



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User manual

Thank you for purchasing the Battery Tester. Please read and understand this manual carefully before using this product. If you have any questions or problems, please contact our technical support.

The tester has advanced conductivity testing technology and reverse polarity protection etc. The 12V-24V battery tester provides technicians with critical battery health information to quickly,

easily and accurately diagnose battery and charging problems.

Package Contents:

1. Battery tester
2. User manual

Please familiarize yourself with the type of battery you will be testing, as indicated on the battery label, before use.

The tester supports the following types:
VRLA/GEL/AGM/EFB/STD

Specification:

Display: 2.7 inch LCD Cable range: 650 mm.

Storage temperature: -20'C to +70'C
Operating temperature: -20'C to +60'C
Dimensions (L * H): width 150 * 90 * 35mm
Weight: 325 g.

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Important

The tester must be used in accordance with these instructions, taking into account the operating conditions and the type of work to be performed. Using this tester for operations other than its intended purpose may result in a hazardous situation.
Before testing, make sure the battery terminals are clean, as grease and dust can lead to errors in the test results.

Wear safety glasses when working near batteries.

Check that the insulation layer of the battery terminals is in normal condition (not damaged, exposed or disconnected).

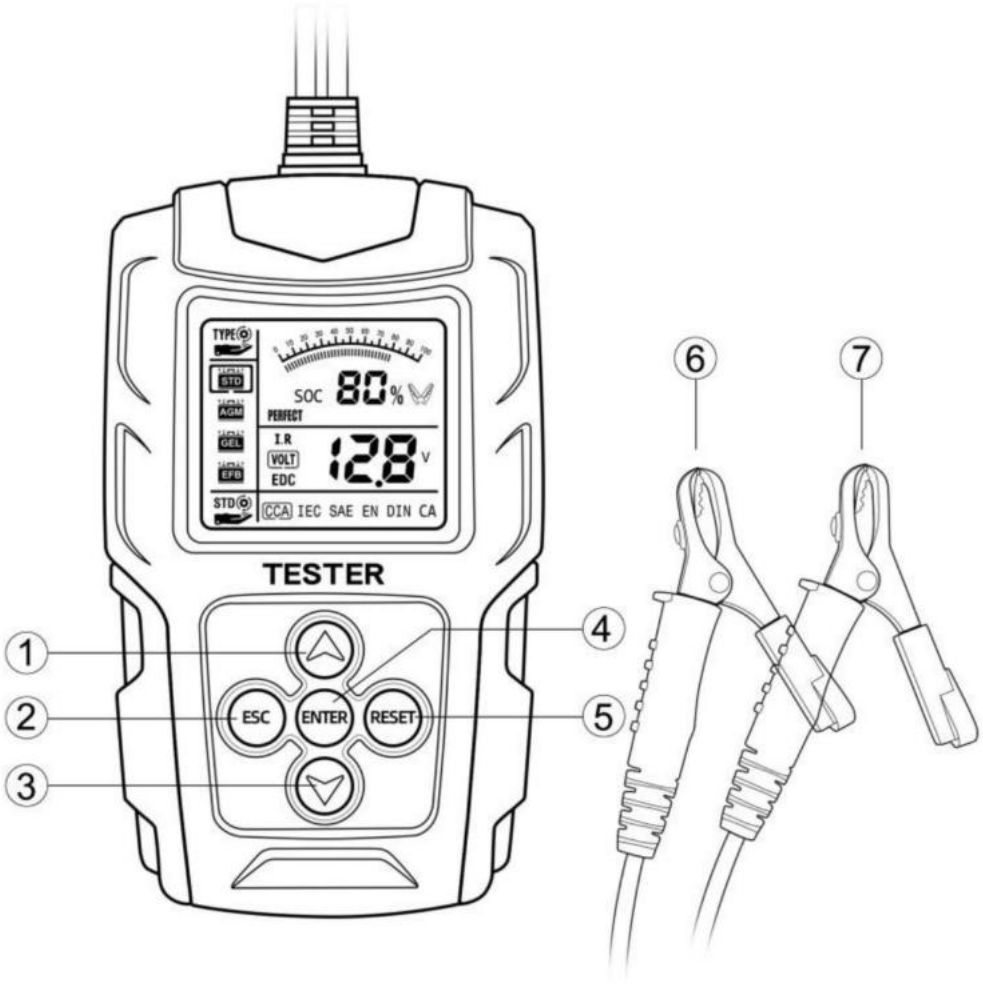
Test in a well-ventilated area. Explosive and toxic gases may be released during testing.
Keep your hair, hands, clothing, and test leads away from moving blades and belts.
The tester is not a toy. Keep out of the reach of children.

Do not place the tester near the engine or exhaust pipe to avoid damage from high temperatures when the car engine is running.
Do not smoke, create sparks or light matches near the battery while testing.
Do not remove the battery terminals while testing.
Do not place the tester in a very humid, dusty environment.

Do not disassemble the tester as this may cause damage.

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Testing instructions



YEAH	Button	Operation
1		Previous item or increase values battery rating
2		Cancellation
3		Next item or decrease values battery rating
4		Confirm; Enter and continue
5		Reset / Restart
6	Red crocodile	Positive battery test terminal
7	Black crocodile	Negative battery test terminal

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How to use

The tester will test each battery according to the selected current system standard and the rating marked on the battery to provide accurate results.

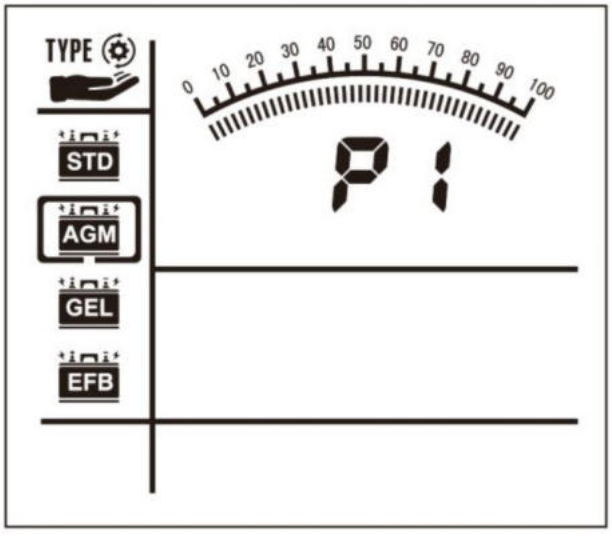
1. Before the test

engine and all other loads must be OFF during the test to obtain accurate results. Turn on the vehicle's headlights for 2-3 minutes until the battery voltage drops to normal value, if the battery is now fully charged.

2. Steps

a. The red (+) positive battery clamp is connected to the (+) positive battery terminal and the BLACK (-) negative battery clamp is connected to the (-) negative battery terminal. For accurate results, make sure the clamps have a firm, secure grip on the battery terminals.

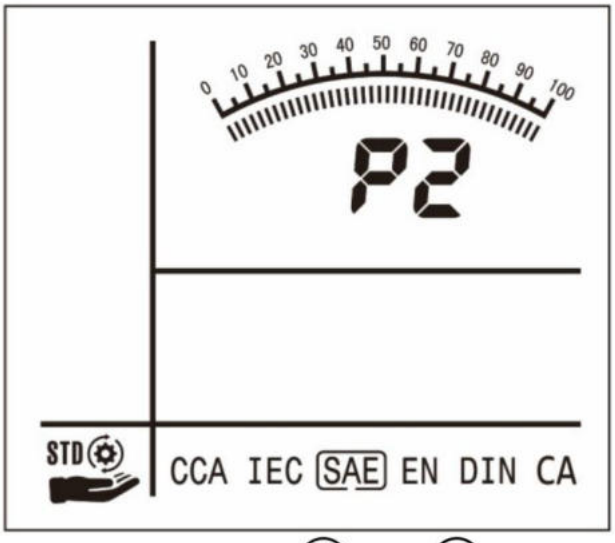
b. Press or to select "Battery Type" (specified on the battery rating label), then press "ENTER" to continue.



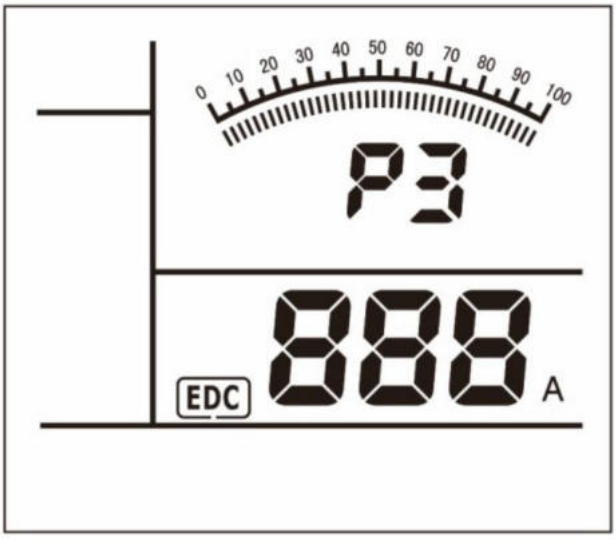
C. Press or to select the correct testing standard (specified on the battery nameplate), then press "ENTER" to

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to continue.



D. Hold or to select the battery EDC/CCA values (specified on the battery rating label or in the EDC/CCA parameter table)

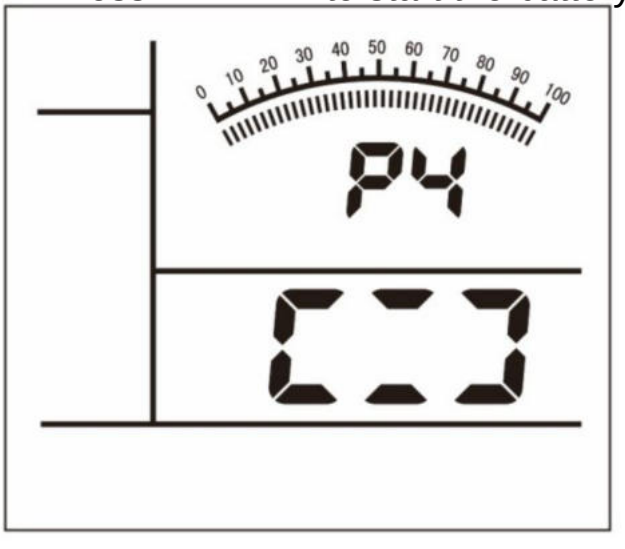


EDC/CCA Parameter Table

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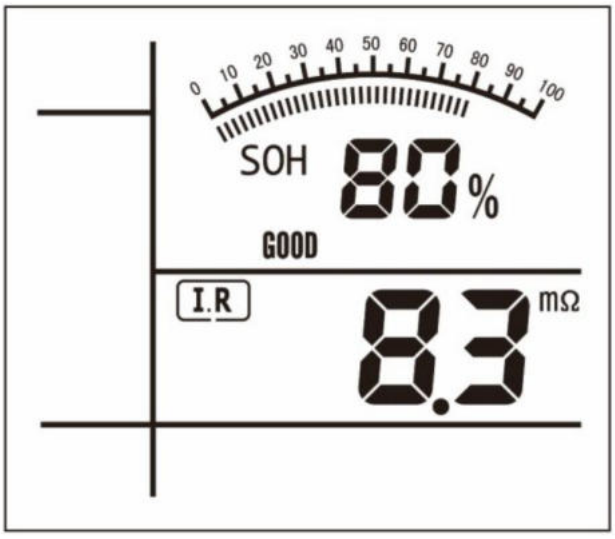
No	Battery Size	EDC Value	No	Battery Size	EDC Value
1	3.3AH	55A	18	28AH	340A
2	4AH	65A	19	31AH	350A
3	5AH	80A	20	33AH	360A
4	6AH	100A	21	38AH	370A
5	7AH	130A	22	40AH	380A
6	8AH	150A	23	45AH	400A
7	9AH	155A	24	50AH	425A
8	10AH	160A	25	55AH	445A
9	12AH	210A	26	60AH	465A
10	14AH	220A	27	65AH	520A
11	15AH	230A	28	75AH	550A
12	17AH	250A	29	80AH	570A
13	18AH	265A	30	85AH	600A
14	20AH	285A	31	100AH	670A
15	24AH	310A	32	120AH	700A
16	25AH	320A	33	150AH	755A
17	26AH	330A	34	200AH	995A

E. Press "ENTER" to start the battery test.

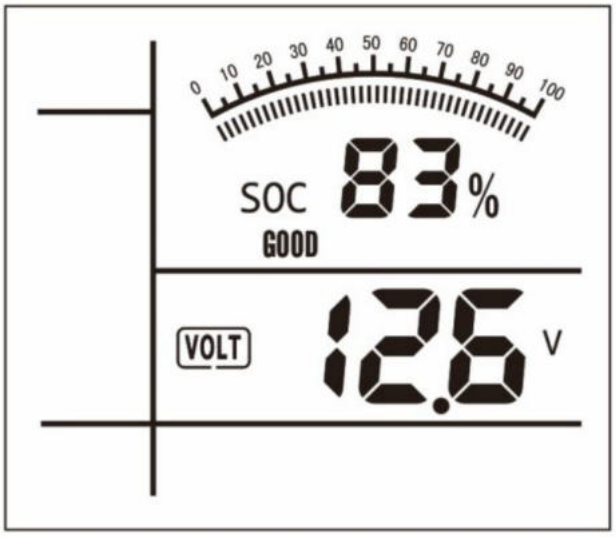


F. The test results are as follows:

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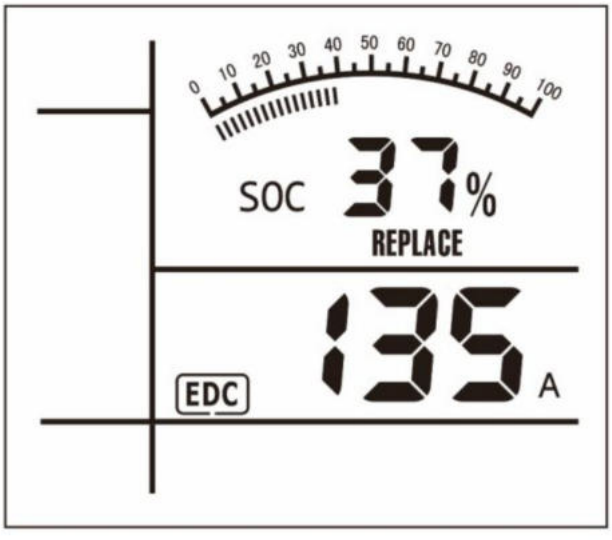


SOH: Health IR:
Internal Resistance



SOC: State of Charge

VOLT: Battery voltage



EDC/CCA: Estimated Discharge Current

Description of test results

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PERFECT	Battery life perfect, SOH ÿ 90%
GOOD	Battery Life Good, SOH ÿ 75%
BAD	Bad battery life, SOH ÿ 50%
REPLACE	Battery is damaged, SOH < 50%
RECHARGE	Retest the battery after charging
	The clamp is not properly connected to the battery terminal

Standard battery system description

The battery tester analyzer will test each battery according to the selected system and rating.

CCA:	Cold Cranking Amps, as specified by SAE and BCI, the most commonly used value for cranking a battery at (-18'C)
IEC:	Standard of the internal electrotechnical commission
SAE:	Society of Automotive Engineers Standard
EN:	European Industry Association Standard Automotive
DIN:	Standard of the German Industrial Committee Automotive
CA:	Starting Amps Standard effective starting current at 0°C

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Frequently asked questions

Q: Is this battery tester powered by internal batteries?

A: No, it can only be powered by the tested battery.

Q: Can the Tester charge the battery?
A: No, it does not charge any batteries, but it can detect a battery.

Q: Can the Tester get battery life?
A: Yes, it will tell you the battery status and charge percentage.

Q: What batteries can the tester be used with?
A: It can be used with 12V and 24V batteries.

Q: Why is the Tester test result inaccurate?
A: The parameter you set may be incorrect.
Please enter the correct data from the battery label.

Q: Why is nothing displayed?
A: Make sure the battery voltage is higher than 8V and the positive and negative terminals are connected correctly

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