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Qoltec 52484 Digital Battery Tester with LCD Display



USER MANUAL

MODEL : 52484

Display | 12V | 24V | 3Ah-200Ah

INTRODUCTION

Thank you for your trust and for choosing our battery tester. We are confident that the product will meet your expectations.

This manual will guide you through the installation and use of the device. If you have any questions after reading this manual, please contact the NTEC sp. z o.o. service department.

PRODUCT INFORMATION

Using the most advanced conductivity testing technology and reverse polarity protection, the 12V-24V battery tester provides critical information about the condition of the battery under test to quickly diagnose battery and charging problems.

COMPATIBILITY

The battery type and CCA (cold starting current) values are indicated on the battery label, please refer to them before use. The tester supports the following battery types : VRLA, GEL, AGM, EFB, STD.

INSTRUCTIONS FOR SAFE USE

1. This tester must be used in accordance with the instructions, taking into account the working conditions and the type of work to be performed. Use of the tester in a manner inconsistent with its intended use may result in dangerous situations.
2. Ensure that the battery terminals are clean before testing, as grease and dust can lead to errors in the test results.
3. Wear safety goggles when working near batteries.
4. To avoid electric shock, check that the insulation layer of the battery terminals is in normal condition (not damaged, bare or disconnected).
5. The test should be carried out in a well-ventilated area. Explosive and toxic gases may be produced during testing.
6. Keep hair, hands and clothing, as well as the tester cables, away from moving blades and belts.
7. Do not store the tester in a place accessible to children.
8. Do not place the tester near the engine or exhaust pipe to avoid damage from high temperatures when the car engine is running.
9. Do not smoke, spark or use matches near the battery during testing.
10. Do not remove the battery terminals during testing.
11. To avoid damage to the tester, do not place it in a damp or dusty environment.
12. Do not disassemble the tester as this may damage it.

DEVICE DESCRIPTION

Illustration 1 in the appendix

NO	Operation
1	Previous option / increase in battery rating

2	Cancel
3	Next option / decrease battery rating
4	Confirm
5	Reset / Restart
6	Red “Crocodile” type terminal : Positive battery test terminal
7	Black crocodile-type terminal : Negative battery test terminal

HOW TO START THE TESTER ?

The tester will check each battery according to the actual system standard selected and the parameters marked on the battery to obtain an accurate result.

Before the test

The engine and all other power sources must be OFF during the test for accurate results. Turn on the vehicle’s headlights for 2-3 minutes until the battery voltage drops to a normal value if the battery is fully charged.

2 Steps

a. The red positive (+) battery terminal is connected to the positive (+) battery terminal and the black negative (-) battery terminal is connected to the negative (-) battery terminal. Ensure that the clamps have a firm, secure grip on the battery terminals for accurate results.

b. Press  or  to select the BATTERY TYPE (is specified on the battery nameplate), confirm with “ENTER”.

Illustration 2

c. Press  or  to select the corresponding test standard (is indicated on the battery nameplate), again confirm with “ENTER”.

Figure 3

d. Hold down  or  and then select the battery’s EDC/CCA values (is specified on the battery nameplate or in the EDC/CCA parameter table).

Illustration 4

EDC/CCA Parameter table

Illustration 5

e. Press “ENTER” to start the battery test.

Illustration 6

f. The test results are as follows:

Illustration 7

SOH: Condition

R: Internal resistance

Figure 8

SOC: State of charge

VOLT: Battery voltage

Figure 9

EDC/CCA: Estimated discharge current

FINAL TEST RATING

PERFECT	Ideal battery life, SOH $\geq$ 90%
GOOD	Battery life Good, SOH $\geq$ 75%
BAD	Bad Battery life, SOH $\geq$ 50%
REPLACE	Battery dead, SOH $<$ 50%
RECHARGE	Re-test the battery after charging
	The terminal is not well connected to the battery terminal battery

BATTERY SYSTEM SPECIFICATION

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

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

PRODUCT SPECIFICATIONS

Display: 2.7" LCD

Cable range: 650 mm

Storage temperature: -20° C to +70 C °

Operating temperature: -20° C to +60 C °

Dimensions : 150x90x35 mm

Net weight : 325 g

UTILISATION

1. Dispose of according to local electronic waste regulations.
2. Do not dispose of in fire or incinerate.

WARRANTY

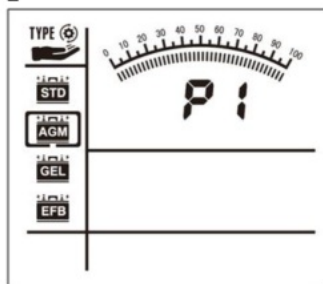
Product covered by a 24 month manufacturer's warranty from the date of purchase. In case of problems, please contact customer service.

ATTACHMENT

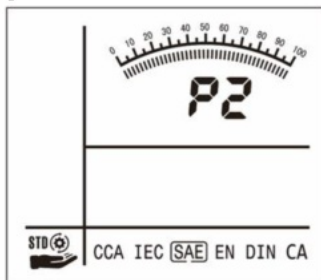
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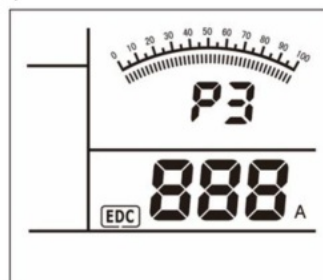
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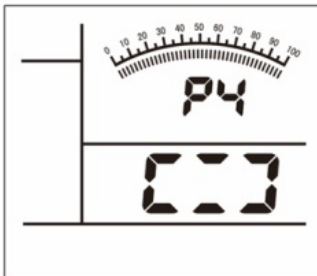
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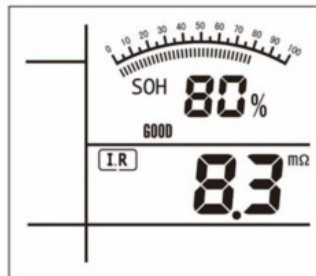
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No	Battery Size	EDC Value	No	Battery Size	EDC Value
1	3.3AH	55A	18	28AH	340A
2	4AH	65A	19	31AH	350A
3	5AH	80A	20	33AH	360A
4	6AH	100A	21	38AH	370A
5	7AH	130A	22	40AH	380A
6	8AH	150A	23	45AH	400A
7	9AH	155A	24	50AH	425A
8	10AH	160A	25	55AH	445A
9	12AH	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

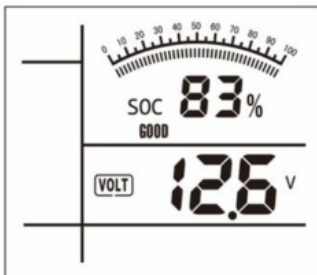
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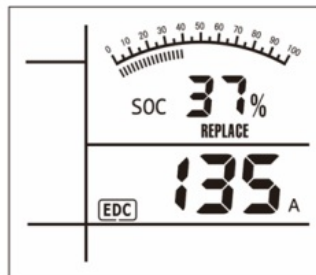
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8



9



Specifications

- Model: 52484
- Voltage Compatibility: 12V – 24V
- Battery Capacity Range: 3Ah – 200Ah
- Supported Battery Types: VRLA, GEL, AGM, EFB, STD

Frequently Asked Questions (FAQ)

Q: Can I use the tester for other types of batteries not listed?

A: The tester is designed for specific battery types mentioned in the compatibility section. Using it with other types may not provide accurate results.

Q: Is this battery tester powered by internal batteries?

A: No, the tester can only be powered by the battery under test.

Q: Can the tester charge the battery?

A: The tester can detect the battery, check its condition, but will not charge the battery.

Q: Can the Tester check the life of the battery?

A: Yes, we can check the state of the battery and the percentage of charge.

Q: Which batteries can the tester be used with?

A: It can be used with 12V and 24V batteries.

Q: Why is the test result inaccurate?

The parameter set may be incorrect. Enter the correct data from the battery label.

Q: Why does the display show nothing?

A: Make sure the battery voltage is higher than 8V and the terminals are connected correctly.

Documents / Resources

	Qoltec 52484 Digital Battery Tester with LCD Display [pdf] User Manual 52484 Digital Battery Tester with LCD Display, 52484, Digital Battery Test er with LCD Display, Battery Tester with LCD Display, Tester with LCD Dis play, LCD Display, Display, Tester
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References

- [User Manual](#)

Related Posts



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DLYFULL B2 Battery Tester LCD Launch Date: March
2021 Price: \$16.99 Introduction Anyone who uses
batteries daily needs...

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52484, 52484 Digital Battery Tester with LCD Display, Battery Tester with LCD Display, Digital Battery Tester with LCD Display, Display, LCD Display, Qoltec, Tester, Tester with LCD Display

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