



康高特-SONEL BT-120电池测试仪

Battery tester

index: WMGBBT120



Keep your batteries in good condition

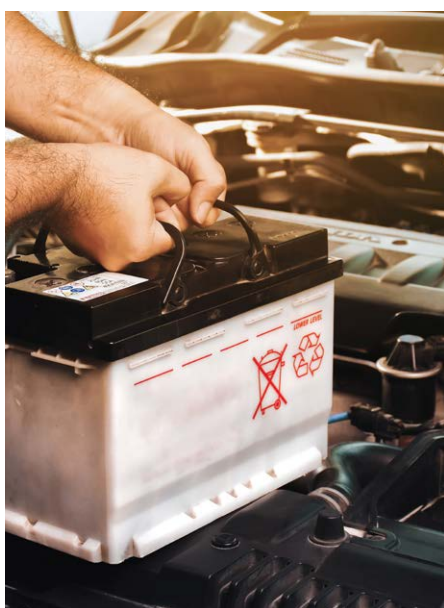
Features

Sonel BT-120 tester is a measuring tool that allows you to accurately test a wide range of battery parameters to ensure optimal battery performance. Designed for both professionals and home users, BT-120 tester is a vital support for keeping batteries in excellent condition.

Sonel BT-120 tester is a reliable tool that provides accurate measurements and precise information about the condition of the battery. It allows to:

- monitor the performance of batteries and avoid unpleasant surprises related to their improper operation,
- make informed decisions about the continued use of batteries or their replacement, based on internal impedance measurements,
- ensure reliable power supply in a wide range of applications, from vehicles to emergency power systems,
- identify potential problems, such as improper charging or cell damage, by measuring the ripple voltage.

With Sonel BT-120 tester, you can rest assured that your batteries are operating at full capacity, delivering power when you need it. Find optimal power solutions for your devices with a tester that offers reliable measurements and precise information.



AC/DC current measurements

The tester can accurately measure AC and DC current up to 400 A. This is crucial to assess the battery's ability to deliver power and identify any problems with current flow.

AC/DC voltage measurements

BT-120 allows you to measure both AC and DC voltage, up to 500 volts. This is important for monitoring voltage stability and matching battery voltage to the requirements of powered devices.

Internal impedance measurement

Internal impedance is an indicator of the battery's condition. The tester allows you to measure this value, which allows you to assess the condition of the battery and make informed decisions about its further use.

Ripple voltage measurement

Measuring the ripple voltage down to 5 V identifies potential problems, such as cell damage or improper charging. This is crucial to maintaining battery performance.

Industry versatility

BT-120 is used in a wide range of industries, from automotive and electrical to renewable energy and telecommunications. It's a tool for professionals concerned about power reliability and efficiency.

Specifications

| Measurement functions | Display range | Resolution | Accuracy ±(% m.v. + digits) |
|----------------------------|---------------|--------------|--------------------------------|
| Internal resistance | 0...300 Ω | from 1 μΩ | from ±(0.5% m.v. + 10 digits) |
| Voltage | | | |
| DC voltage | 0...500 V | from 0.001 V | ±(0.5% m.v. + 5 digits) |
| AC voltage | 0...500 V | 0.1 V | ±(0.75% m.v. + 5 digits) |
| Ripple voltage | 0...5 V | 0.001 V | ±(2.5% m.v. + 10 digits) |
| Current | | | |
| DC current | 0...400 A | from 0.001 A | ±(0.5% m.v. + 5 digits) |
| AC current | 0...400 A | from 0.001 A | ±(0.75% m.v. + 10 digits) |
| Temperature | -10...100°C | 0.1°C | ±(1% m.v. + 2 digits) |

"m.v." - measured value

Other technical data

Safety and work conditions

| | |
|---|---------------------------------|
| Type of insulation acc. to EN 61010-1 and IEC 61557 | double |
| Measuring category acc. to EN 61010 | CAT III 500 V |
| Ingress protection | IP54 |
| Power supply | |
| • mains | AC 100 V...240 V, 50 Hz / 60 Hz |
| • rechargeable battery | Li-Ion >5.4 Ah |
| Dimensions | 232 x 192 x 111 mm |
| Weight | 1.4 kg |
| Operating temperature | 0...+50°C |
| Storage temperature | -20...+50°C |
| Humidity | 10...85% |
| Display | graphical LCD |
| Altitude a.s.l. | <2000 m |

Other information

| | |
|---|----------------------------|
| Quality standard – development, design and production | ISO 9001 |
| The product meets the EMC (emission for industrial environment) requirements according to standards | EN 61326-1 EN 61326-2-2 |

Standard accessories

| | | | | | |
|--|---|---|---|---|---|
|  | Set of cables for measuring internal impedance WAPRZBT120ZS |  | Set of cables for voltage measurement WAPRZBT120U |  | Adapter for data transmission (USB) WAADABTUSB1 |
|  | C-130BE measuring clamp WACEG130BE |  | L-17 carrying case WAFUTL17 |  | Z-34 power supply WAZASZ34 |
|  | Calibration resistor WAADARK1 |  | Declaration of verification | | |