KONNWEI KW210

KONNWEI KW210 12V Car Battery Tester Instruction Manual

PRODUCT OVERVIEW

The KONNWEI KW210 is a professional 12V car battery tester designed to analyze key battery and charging system data. It provides accurate and detailed results for various battery types and is suitable for both DIY users and professionals. This device offers:

- **Comprehensive Battery Testing:** Analyzes voltage, internal resistance, cold cranking amps (CCA), AH capacity, battery health, and charge status.
- **Advanced Testing Features:** Provides real-time battery voltage readings in a waveform and detailed test results in both text and graphs.
- **Wide Compatibility:** Supports major battery standards such as CA, CCA, BCL, MCA, JIS, SAE, EN, DIN, and IEC, working with a wide range of battery types.
- **User-Friendly Design:** Equipped with a 2.4-inch backlit display and an STM-32 main chip for quick, easy access to test results.
- **Lifetime Updates and Data Recording:** Includes lifetime free updates via the KONNWEI BTlink app, and allows users to record, replay, and track battery data.

The KONNWEI KW210 Car Battery Tester.

WHAT'S IN THE BOX

The KONNWEI KW210 package includes the following items:

- KONNWEI KW210 Car Battery Tester
- User Manual
- Mini-USB cable

Contents of the KONNWEI KW210 package: the tester, user manual, and Mini-USB cable.

Dimensions of the KONNWEI KW210 Car Battery Tester and its connection cables.

OPERATING INSTRUCTIONS

Connecting the Tester

Ensure the vehicle is off before connecting the tester. Connect the red clamp to the positive (+) battery terminal and the black clamp to the negative (-) battery terminal. The device will power on automatically.

Strong Compatibility

Can test all 12V batteries, up to 2000 CCA 220AH

Out-of-vechcle

In-vehicle

AVAILABLE CONTENTS

Measure Standard	KW210
CCA	100-20000
BCI	100-2000
CA	100-2000
MCA	100-2000
JIS	26A17-245H52
DIN	100-1400
IEC	100-1400
EN	100-2000
SAE	100-2000
GS	100-1400

Connecting the KONNWEI KW210 tester to car battery terminals.

Navigating the Menu

Use the 'ESC' button to go back, 'ENTER' to confirm, and the up/down arrow buttons to navigate through the menu options displayed on the screen.

High Accuracy

Top-level STM32F103C8T chip, provide faster speed and more reliable testing results.

The KW210 menu screen showing options for various tests and settings.

Battery Test

Select 'Battery Test' from the main menu. The device will prompt you to check surface charge, turn lights on for about 10 seconds, then turn them off. Select the battery type (e.g., Regular Flooded, AGM Flat Plate, AGM Spiral, GEL, EFB) and input the Cold Cranking Amps (CCA) rating found on your battery. The tester will then display the battery's charge, health, internal resistance, and voltage, indicating if it's a 'GOOD BATTERY' or requires attention.

PREVENT BATTERY FAILURE

Check battery status anytime & anywhere, the perfect backup tool in your repair box.

A battery test result displayed on the KW210 screen, showing charge, health, internal resistance, and overall status.

The KW210 displaying different battery types it can test, including flooded, AGM, and GEL.

Cranking Test

Select 'Cranking Test' from the main menu. The device will instruct you to start the engine. It will then measure the cranking time and voltage during startup to assess the starter's performance.

Charging Test

Select 'Charging Test' from the main menu. The device will perform a ripple test and then prompt you to increase the engine RPM to 2500 for 5 seconds. It will measure loaded and unloaded voltage, and ripple voltage to evaluate the alternator's charging performance.

The KONNWEI KW210 is compatible with various 12V vehicles, including cars, SUVs, motorcycles, boats, light trucks, and minivans.

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Video Demonstration

Video demonstrating the unboxing and operation of the KONNWEI KW210 Car Battery Tester, including battery, cranking, and charging tests.

MAINTENANCE

Software Updates

The KONNWEI KW210 supports lifetime free updates via the KONNWEI BTlink app. Connect the device to a computer using the provided Mini-USB cable to update the software. The update service is compatible with Windows XP, Vista, 7, 8, and 10 (32 or 64-bit OS).

The KW210 connected to a computer for software updates or printing test results.

Cleaning

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

No Power

Ensure the battery clamps are securely connected to the correct positive and negative terminals. The device draws power directly from the vehicle's battery.

Inaccurate Readings

Verify that the battery type and CCA rating entered into the device match your battery's specifications. Ensure battery terminals are clean and free of corrosion for proper contact. If issues persist, consult the official KONNWEI support resources.

SPECIFICATIONS

Feature	Detail
Brand	KONNWEI
Model Number	KW210
Power Source	Battery Powered
Style	Compatible, Digital, Regular
Colour	KW210
Item Weight	0.3 Kilograms (300 g)
Product Dimensions (LxWxH)	20 x 78 x 127 Millimeters
Min. Operating Voltage	12 Volts
Upper Temperature Rating	50 Degrees Celsius
Measurement Type	Battery Tester

Supported Standards	IEC, SAE (also CA, CCA, BCL, MCA, JIS, EN, DIN)
UPC	682228993830, 889251182372
Manufacturer	KONNWEI
Batteries Included?	No

WARRANTY AND SUPPORT

The KONNWEI KW210 comes with a manufacturer's warranty. For specific warranty details or technical support, please refer to the official KONNWEI website or contact their customer service.

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