KALUN JCY-1

Illustrated reference guide

A WESSII Shop companion to the KALUN Basic Version User Manual. This guide explains the tester controls, example displays and important limits for qualified air conditioning technicians. It is not a wiring or commissioning procedure.



Figure 1. Supplied photograph of the JCY-1 rear label and KALUN manual cover.

Identify the tester

The photographed label identifies model JCY-1 and tester power input AC 100–240 V. The manual describes a communication-based inverter air conditioner tester that can command a compatible outdoor unit and display operating data and fault information.

The manual cover shows Version 1.01 as an interface illustration. Confirm the actual unit and firmware before relying on a particular menu or function.

Electrical hazard. Professional use only. Testing can start the outdoor unit. Read the safety requirements on page 4 before use.

Know the controls



Figure 2. Tester front panel and accessories shown in the supplied photograph. Accessory appearance is not a wiring instruction.

Control	Function described in the KALUN manual
Left and right arrows	Select the air conditioner brand or menu option.
OK	Confirm the selection or enter the selected data interface.
COOL	Command cooling operation; the manual also describes cooling frequency control.
HEAT	Command heating operation; the manual also describes heating frequency control.
OFF	Send a stop command. This is not electrical isolation.
SCAN	Scan and identification function described in the manual; the supported result depends on the connected system. Confirm behaviour for the supplied revision.

L, N and S identify line, neutral and signal on the illustrated tester. Do not infer terminal identity from wire colour alone. Use the exact unit documentation and manufacturer-approved connection procedure.

The COOL and HEAT keys can initiate equipment operation. Do not use them until a qualified technician has completed all required safety and compatibility checks.

Understand the example displays



Figure 3. KALUN manual page 4 beside the tester. Cooling, heating and fault screens are illustrative Midea examples.

In the manual example, the brand menu appears after power-on. The technician selects Midea and confirms with OK, then confirms to enter its data interface. These menu descriptions do not replace the connection and safety procedure.

The example screens contain running frequency, temperatures, current, voltage, operating mode, communication status and a fault indication. Displayed values such as 308 V or 294 V are examples, not the tester supply specification or measurement ranges.

Not every air conditioner transmits every parameter. A missing reading does not by itself establish a fault. “No Fault Found” is not a complete safety or health assessment of the installation.

The manual states that auxiliary fault-maintenance information may appear in Chinese, even with English menus. E5 is only an example code; interpret any code using the exact air conditioner model documentation, not a universal code meaning.

Professional use and safety limits

High voltage is present. The KALUN manual restricts use to professionals and warns against opening or repairing the tester without the necessary expertise. Incorrect connections can damage both the tester and the outdoor unit board.

Testing may start the outdoor unit. Keep the test as short as practical and retain the ability to interrupt power immediately if a hazard occurs. The OFF key is a command, not proof that the equipment is electrically isolated.

The manual requires the indoor unit communication connection to be disconnected for its outdoor unit test arrangement. Treat this as a setup requirement for a qualified technician, not permission to disconnect conductors while energized. Follow the equipment manufacturer’s isolation and verification procedure before handling connections.

Keep the voltage references separate

Reference	Meaning
AC 100–240 V	Power input printed on the photographed JCY-1 tester label.
220 V AC	Outdoor unit supply in the manual’s Midea example, not a universal supply instruction.
On-screen voltage values	Illustrative operating data, not the tester input rating or certified measurement limits.

Confirm compatibility before a test

A missing brand does not automatically mean an unsupported unit: rebranded equipment may use a supported OEM or control platform. Identify its actual manufacturer and confirm the exact model, board/protocol and tester version before selection. A listed brand does not guarantee every model. Do not choose by brand alone or by trial and error.

Obtain the applicable original operating instructions and exact equipment wiring information before connection. This reference intentionally does not specify live wiring steps, protective device ratings, grounding arrangements or a universal start-up procedure.

Sources and publication

Adapted by WESSII Shop from supplied photographs of the KALUN Basic Version User Manual: Important Reminders; Tester Button Functions; Midea Operation Guide; and Introduction to the Tester Product. Product identity and input voltage are taken from the photographed rear label. Photographs retain their original manufacturer and supplier markings.

KALUN is the product brand. WESSII Shop prepared this English reference and is not identified here as the manufacturer. For model compatibility and the applicable full manual, contact shop.sales@wessii.com.

Brands and OEM selections

The KALUN manual provides the following brand-menu labels and OEM selection guidance. These are manufacturer-declared references, not confirmation that every model or board is supported.



Figure 4. Brand-menu examples from the supplied KALUN manual. Some labels are abbreviated or unclear.

Visible menu labels

Haier, Midea, GREE, CHiQ, Hisense, AUX, TCL, CHIGO, Galanz, Skywor, Yair, Soyea, MBO, TOPBA, HICAP, DAIKIN, Panaso, Deye, JHS, KEG, MOORAB, HaiD and DONGBAO. Labels are reproduced as shown; shortened labels are not expanded into unverified brand identities. One red label in the second menu is not legible.

OEM references printed in the manual

Air conditioner name in the manual	Menu selection stated
Kelon	Hisense
Hyundai	Chigo
Xinfei	Galanz
Jinhongsheng	Gree
Konka, Meibo	TCL
Hualing, Little Swan	Midea
Tongshuai, Casarte Little Superman	Haier
York, Whirlpool, Electrolux, GE Appliances, Hualing, Beko, Gome, Xinyan, Ditel, Aucma, Sakura, De'ao, Risong, Shangling, Qianjiayue, Matsushita, Philips, Xiaomi	Changhong

Important conflict: Hualing appears under both Midea and Changhong in the supplied manual. Obtain supplier confirmation for the exact model before selecting either. "Casarte Little Superman" is printed without a separating comma; the wording is retained rather than reinterpreted.

Source: KALUN Basic Version User Manual, section II, How to Test OEM Brands Not Displayed on the Detector. Confirm the exact outdoor unit model and controller protocol before use.

Additional supplier declared brand list

A separate supplier image lists Haier, Midea, Gree, Changhong, Hisense, AUX, TCL, Chigo, Galanz, Skyworth, Yangzi, SOI, Shinco, MBO, Topband, Daikin, Panasonic, Deye, Jinhongsheng, HCK, Yuetuo, Haidian and Dongbao. One unclear name is omitted. This advertising list is separate from the manual menu labels and is not a tested model compatibility matrix.