

Intelligent Electrical Safety Comprehensive Analyzer AN1640H(F)/AN1640B(F)/AN1651H(F)/AN1651B(F)



- ★ **8-in-1:** ACW/DCW/IR/GB/LC/PW/ST/LN
- ★ **High precision:** 1% accuracy for safety Comprehensive analyzer, 0.2% accuracy for power
- ★ **High speed:** GB and ACW/DCW/IR in parallel, LC and PW in parallel
- ★ **Informatization:** Android platform, data storage, barcode recognition, MES connection



Product Introduction

This Ainuo AN1640(F)/AN1651(F) intelligent electrical safety comprehensive analyzer has new features such as intelligence, informatization, high speed, high precision, and multi-function, suitable for high-end lines of intelligent manufacturing with fast-pace, hybrid, automation, informatization and MES management.

In addition to eight-in-one testing, this product has rich optional functions for sub-sectors, including automatic multi-stage power judgment, smart lamp switching test, LN phase sequence detection, 100mA withstand voltage test, 64A ground bond resistance test, 500W/6kW/10kW testing power supply, U.S. standard testing power supply, LC and PW uninterruptible power supply test, etc.

This series of products can meet the safety standard testing requirements of various electrical products such as household appliances, energy-saving lamps, medical equipment, information equipment, audio and video equipment, laboratory equipment, and charging piles.

This series of products have a barcode scanning interface for automatic identification of product barcode and specifications, automatic call of the test program, scanning the code and starting automatically, and packing and storing the test data.

This series of products have functions of data management, local storage of test data, data query, statistics and export; real-time transmission of test data, active upload, query upload, breakpoint resume, etc.; and downloading test programs from the server.

Optional connection with MES through WIFI, LAN, RS232 and other interfaces, various MES interfaces.

Features

High reliability

- 13 draft units who participated in drafting of national standards and verification regulations for safety comprehensive analyzers;
- 30 years of experience on safety testing expertise and understanding of customer needs;
- Strict electromagnetic environment, load conditions, endurance test verification;
- Electric shock protection, arc detection, open circuit detection, slow rise and down;
- 1% accuracy for safety comprehensive analyzer, 0.2% accuracy for power.

High speed

- Fast measurement and control: 0.5s step fast test, self-starting of first item after GB;

- Parallel test: GB and ACW/DCW/IR in parallel, LC and PW in parallel;
- Dual output: dual-station, dual output, intelligent parallel.

Intelligent

- Intelligent platform: Android operating system, informatization without additional PC;
- Barcode management: barcode scanning and recognition, program matching, scan to start;
- Data management: test data storage, query, export, program file copy;
- Connection with MES: LAN/WIFI interface, MES connection for various database;
- Convenient: 10" touch screen, guide via multimedia, online technical services.

Specifications

Model	AN1640H(F)	AN1640B(F)	AN1651H(F)	AN1651B(F)
AC withstand voltage (ACW)	5kVac/40mA (optional 5kVac/100mA)			
DC withstand voltage (DCW)	6kVdc/10mA			
Insulation resistance (IR)	2.5kVdc/50GΩ			
Ground Bond resistance (GB)	32Aac/600mΩ (optional 64A)			
Leakage Current (LC)/ Touch Current(TC)	<p>300V/20A, MD-A (IEC60990 Figure 4, 8 MDs optional), RMS/peak measurement</p> <div> <div> <p>MD-A</p> <p>GB12113/IEC60990 GB4706.1/IEC60335-1 GB7000.1/IEC60598-1 GB4943.1/IEC60950-1 GB4793.1/IEC61010-1 GB8898.1/IEC60065</p> </div> <div> <p>MD-B</p> <p>UL1563</p> </div> <div> <p>MD-C</p> <p>GB9706.1/IEC60601-1</p> </div> <div> <p>MD-D</p> <p>UL544P</p> </div> <div> <p>MD-E</p> <p>UL544NP, UL484 UL923, UL1029 UL471, UL867, UL697</p> </div> <div> <p>MD-F</p> <p>GB12113/IEC60990 GB7000.1/IEC60598-1</p> </div> <div> <p>MD-G</p> <p>GB4943.1/IEC60950-1 GB4793.1/IEC61010-1</p> </div> <div> <p>MD-H</p> <p>GB7000.1/IEC60598-1</p> </div> </div> <p>(IEC60990 Figure 5)</p>			
Power test (PW)	300V/20A/6kW (optional 40A)			
Start-up test (ST)	300V/20A			
Loop test (LN) (Optional)	Low voltage DC constant current test/999Ω			
Parallel	GB and ACW/DCW /IR in parallel, LC and PW in parallel	Non-parallel	GB and ACW/DCW /IR in parallel, LC and PW in parallel	Non-parallel
Interface	Android system, 10" touch screen, RS232/LAN/WIFI/PLC/USB			
Load power supply	Optional built-in 500VA variable frequency power supply or external power supply		Built-in 6kVA variable frequency power supply	
Dimensions	426×177×550 (W×H×D, mm)		483×1355×600 (W×H×D, mm)	