

Intelligent Safety Analyzer

AN1651H-M(F)/AN1640H-M(F)/AN1620H-M(F) Series



Product overview

Ainuo Instrument Co., Ltd has been dedicated to the research and development of electrical safety analyzers for over 30 years, and has participated in drafting 16 national standards and industry calibration regulations for safety analyzers. The AN1640H-M series Intelligent Safety Analyzer features complete functions, legal compliance, easy operation, and informatization, suitable for test of medical electrical equipment safety standards.

Features

- Six-in-one:** ACW/IR/GB/LC/PW/ST
- Legal:** Meet the safety test requirements of GB9706/IEC60601 Medical electrical equipment
- Convenience:** automatic programming, multi network and multi-channel switching, automatic test of one-time wiring
- Informatization:** PC/SRS software, local data management, MES database connection

Applications

- Medical electrical equipment (GB9706.1-2020/IEC60601-1:2012)
- Safety requirements for electrical equipment for measurement, control, and laboratory use (GB4793.1/IEC61010-1)

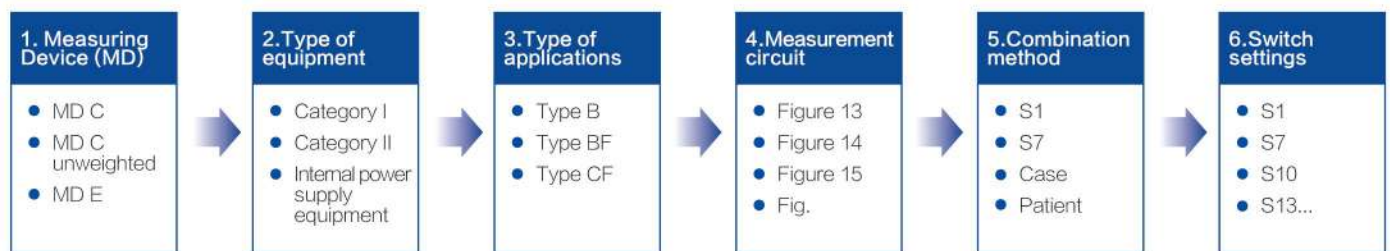
Specifications

Model	AN1651H-M(F)	AN1640H-M(F)	AN1620H-M(F)
AC withstand voltage (ACW)	5kVac/100mA (500VA output capacity, 200mA short-circuit current) (optional dynamic ACW/DCW)		None
DC withstand voltage (DCW)	6kVdc/20mA		None
Insulation Resistance (IR)	3kVdc/50GΩ		None
Ground resistance (GB)	40Aac/600mΩ (Optional 64A)		None
Leakage current (LC)	20mA Leakage current, MD-C/unweighted C/E network (up to 8 networks); AC/DC RMS and peak measurement;		
Multi-channel switching	(Optional switching unit: 8 for ACW/DCW, 8 for LC, 1 for GB)	(Optional external switching unit: 8 for ACW/DCW, 8 for LC, 1 for GB)	
DUT power supply Auxiliary voltage	Standard 6kVA variable frequency power supply and auxiliary power supply		External isolation power supply is required (optional built-in 500VA variable frequency power supply)
HMI	Android platform, 10" touchscreen, RS232/LAN/USB/BARCODE/PLC/ALARM/REMOTE/HDMI (optional) interface		
Standard accessories	Test box (3m), test clamp (3m), foot switch (2.5m), alarm lamp (0.8m), auxiliary power cable (1.9m)		
Optional accessories	(PC, ESRS software, spot check device, barcode scanner, label printer, HDMI monitor, wireless keyboard/mouse)		
Dimensions (W×H×D mm)	520×1365×630		426×177×550

■ Specially designed for standard test of safety of medical electrical equipment, simple, one-click completion of all tests after one-time wiring.

- Multiple MDs: Standard medical electrical equipment (GB9706.1-2020/IEC60601-1:2012) MD network, up to 8 leakage MDs options, meeting various industry test standard requirements;
- Multi-channel switching: Standard 8-channel ACW/DCW/IR switching. Set HV/Off for the network power supply and patient connection. Set On/Off for PE, case, patient connection, signal I/O, display screen, keyboard, etc. Standard 1-channel GB test.
- Leakage contact current: meets the requirements for test of ground leakage current (Fig. 13), contact current (Fig. 14), patient leakage current (Fig. 15, 16, 17, 18), and patient auxiliary current (Fig. 19).
- Two shortcuts: The setting for LC test is complex. This analyzer provides manual/auto settings modes, with unique and quick operation to simplify the complexity and reduce the difficulty of operation for users.

■ 6-step easy operation: 10" touchscreen, manual/auto LC test, illustrated with text.



■ Combination of the safety analyzer and the multi-channel switching unit, strong scalability, one-click completion of all tests after one-time wiring.

