

AN1620(F) Touch Current Analyzer

- ※ Multi-body network: 8 MD options, applicable to multi-industry safety standards;
- ※ Multi-parameter measurement: RMS, peak, AC/DC component measurement;
- ※ Measurement frequency: DC, 15Hz - 1MHz touch current frequency;
- ※ Multi-power state: 11 power switching states, built-in 500W power supply.



Features

★ Safe and reliable

- ※ Draft units who participated in drafting of national standards and verification regulations for safety compliance analyzers;
- ※ 30 years of experience on safety testing expertise and understanding of customer needs;
- ※ Complete electromagnetic environment, load conditions, endurance test verification.

★ Rich functions

- ※ Multi-body network: 8 MD options, applicable to multi-industry safety standards;
- ※ Multi-parameter measurement: RMS, peak, AC/DC component measurement;
- ※ Measurement frequency: DC, 15Hz - 1MHz touch current frequency;
- ※ Multi-power state: 11 power switching states, built-in 500W power supply.

★ Intelligent and automatic

- ※ Smart safety compliance analyzer: Android system, 7" touch screen, self-learning smart keyboard;
- ※ Barcode recognition: barcode scanning, program matching, automatic startup, data packing;
- ※ Data management: local storage, network transmission, direct connection with MES system;
- ※ Interfaces: RS232, RS485, PLC, USB, CAN, WIFI.

Specifications

Model	AN1620H(F)(V3)	AN1620TH(F)(V3)	AN1620H-M(F)
Specification of tested object	Single-phase 300V/20A	Three-phase 500V/20A	Single-phase 300V/20A
Test power supply	Optional built-in 500W	External isolated power	Optional main power supply and

	or external isolated power supply	supply	auxiliary power supply
Test network	Standard A/F/H network(IEC60990 Figure 4 & Figure 5, up to 8 MDs)		C/D/E three medical equipment MD networks
Current range	0-20mArms、30mApeak		0--20mArms, 30mApeak; 0--20mAac, 0--20mAdc; Figure 13-Figure 17 seven types of leakage current measurement
Current frequency	DC,15Hz--1MHz		
Interface	Android system, 10" touch screen, RS232/LAN/WIFI/PLC/USB interface		
Dimensions mm	426*177*550(W×H×D)		

Specification Details (subject to the final confirmation of the technical specification)

Touch current/Leakage current test	
Test method	Single-phase/three-phase load, leakage current at operating temperature (dynamic) and leakage current at non-operating temperature (static), G-L、G-N、AUTO(G-L、G-N) , PH-N、PH-PL switch setting. Need external isolation transformer or frequency conversion power supply to provide the needed voltage and frequency for testing.
State of operating power supply	Polarity: on, off, automatic; neutral: on, off; ground: on, off
AN1620H(F)/AN1620T H(F): standard A/F/H network; AN1620H-M(F): standard C/D/E network; AN1620H-8MD(F):built-in 8 human networks	
Alarm voltage	Range:(0.0V~300.0V)AC, resolution:0.1V, accuracy:±(0.4%×setting value+0.1%×range)
Voltage measurement	Range:10.0V~300.0V、45Hz~65Hz Accuracy:20.0V~300.0V:±(0.4%×reading value+0.1%×range)
Load current	Upper limit: 20A
Touch current/Leakage current upper/lower limit (RMS)	Range:20.0μA~20.00mA, resolution:0.1μA /1μA /0.01mA accuracy:20.0μA ~ 999.9μA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f≤1000kHz:±(10%×setting value+5μA) 1000μA ~ 7999μA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f≤1000kHz:±(10%×setting value+5μA) 8.00mA ~ 20.00mA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f < 1000kHz:±(10%×setting value+5 counts)

Touch current/Leakage current upper/lower limit (peak)	Upper/lower limit:20.0μA~30.00mA, resolution:0.1μA /1μA /0.01mA accuracy:20.0μA ~ 999.9μA:DC:±(2%×reading value+2μA) 15Hz≤f≤100kHz:±(10%×setting value+2μA) 100Hz < f≤1000kHz:±(20%×setting value+10μA) 1000μA ~ 7999μA:DC:±(2%×reading value+2 counts) 15Hz≤f≤100kHz:±(10%×setting value+2μA) 100Hz < f≤1000kHz:±(20%×setting value+10μA) 8.00mA ~ 30.00mA:DC:±(2%×reading value+2 counts) 15Hz≤f≤100kHz:±(10%×setting value+2 counts) 100Hz < f≤1000kHz:±(20%×setting value+10 counts)
Touch current/Leakage current upper/lower limit (AC component, C network only)	Range:20.0μA~20.00mA, resolution:0.1μA /1μA /0.01mA accuracy:20.0μA ~ 999.9μA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f≤1000kHz:±(10%×setting value+5μA) 1000μA ~ 7999μA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f≤1000kHz:±(10%×setting value+5μA) 8.00mA ~ 20.00mA:DC, 15Hz≤f≤100kHz:±(1.5%×setting value+10 counts) 100kHz < f < 1000kHz:±(10%×setting value+5 counts)
Touch current/Leakage current upper/lower limit (DC component, C network only)	0.0uA ~ 999.9uA:±(2%×setting value+3 counts) 1000uA ~ 7999uA:±(2%×setting value+3 counts) 8.00mA ~ 20.00mA:±(5%×setting value)
Touch current compensation	Range:0.000~1.000mA, automatic test or manual input, can be set on or off
Test time	Range:0, (0.5 ~999.9), 0 is infinite, resolution:0.1s, Accuracy:±(0.1% ×setting value+2 counts), (Testing method: when AUTO (G-L、G-N), each gets half time)
Input resistance	≤100kHz 5%; > 100kHz 10%
Frequency response	Accuracy: same with current measurement accuracy, only valid for GB12113 Figure 4 and Figure 5 network.
Communication Interface	RS232、LAN、WIFI、USB
Control interface	Barcode gun interface, alarm light interface, remote control interface, PLC interface, quick selection group interface
Dimension (mm)	483(W)x 178(H)x 550(D)