

AN1616(F)/AN1613(F) AC/DC Ground Bond Resistance Analyzer

- ※ AC GB: 64A/600mΩ, 32A/600mΩ, 1% basic accuracy
- ※ DC GB: 60A/600mΩ, 40A/600mΩ, 1% basic accuracy
- ※ Multi-channel: Optional 8-channel switching card for AC GB, supporting cascading
- ※ Informatization: Android platform, data storage, barcode recognition, MES connection



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

- ※ Two modes: resistance/voltage mode, meet various industry standards;
- ※ Multi-channel card: Optional 8-channel switching card for AC GB, supporting cascading;
- ※ Automatic start: AC ground loop detection, loop formation, automatic start test.

★ 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

	AN1616D(F)	AN 1613D(F)	AN 1616H(F)	AN1613H(F)	AN1613HD(F)
DC ground bond (DCGB)	60Adc/600mΩ	40Adc/600mΩ	None		40Adc/600mΩ
AC ground bond (GB)	None		64Aac/600mΩ	32Aac/600mΩ	
Multiple channels	None		Optional 8-channel grounding card		None
Interface	Android system, 7" touch screen, RS232/LAN/WIFI/PLC/USB				
Dimension (mm)	426 (W) *132 (H) *520 (D)				

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

Function			Technical indicator
AC ground bond resistance test	Rated output		AN1613H\1613HD:max test current 32Aac,max resistance 600mΩ,open-circuit voltage<12Vac
			AN1616H:max test current 64Aac,max resistance 600mΩ, open-circuit voltage<12Vac
	Output current setting	Range/accuracy	Range:(2.0A-32.0A or 64.0Aac)AC,resolution:0.1A,allowable error:±(1%×setting value+2 counts)
	Output voltage setting	Range/accuracy	Open-circuit voltage range:(3.0~10.0) V AC,resolution:0.1V,allowable error:±(1%×setting value+2 counts)
	Output frequency setting	Range/accuracy	50Hz/60Hz,allowable error:±0.1Hz
	Alarm limit setting	Range of resistance upper/lower limit	3 A≤output current≤10A:0.1 ~ 600 mΩ 11A≤output current≤32A or 64Aac:0.1-R,R = 6400/setting current (mΩ) resolution:0.1/1mΩ
		allowable error	<100mΩ,±(1%×reading value+1mΩ); ≥100mΩ,±(1%×reading value+2 counts)
	Test time setting	Range/accuracy	Range:0,(0.5-999.9)s,0 is infinite,resolution:0.1s,allowable error:±(0.1%×setting value+2 counts)
DC ground bond resistance test	Rated output		AN1613D(F)/AN1613HD(F):max test current 40Adc,max resistance 600mΩ, open-circuit voltage<8Vdc
			AN1616H(F):max test current 60Adc,max resistance 600mΩ,open-circuit voltage<8Vdc
	Output current setting	Range/accuracy	Range:(2.0A-40.0A or 60Adc)DC,resolution:0.1A,allowable error:±(1%×setting value+2 counts)
	Output voltage setting	Range/accuracy	Open-circuit voltage range:(3.0~8.0) V dc,resolution:0.1V,allowable error:±(1%×setting value+2 counts)

	Output frequency setting	Range/accuracy	50Hz/60Hz,allowable error:±0.1Hz
	Alarm limit setting	Range of resistance upper/lower limit	3 A≤output current≤10A:0.1 ~ 600 mΩ 11A≤output current≤40A or 60Adc:0.1-R,R = 6400/setting current (mΩ)
		allowable error	<100mΩ,±(1%×reading value+1mΩ); ≥100mΩ,±(1%×reading value+2 counts)
	Test time setting	Range/accuracy	Range:0,(0.5-999.9)s,0 is infinite,resolution:0.1s,allowable error:±(0.1%×setting value+2 counts)
Other configuration	Display	Android system, 7" color touch screen	
	Communication interface		RS232 (optional RS485) , USB, LAN, WIFI
	Control interface		Alarm light, I/O, interlock interface
Dimension (W×H×D,mm)			426*132*520