AT686 HIGH VOLTAGE INSULATION RESISTANCE METER

AT 686A

Smart Touch

CHINESE/ENGLISH OPERATION

294 (W) * 130 (H) * 448 (D)
UNIT: mm

Weight: 8kg

IR Rated Output 5kV / 50GΩ

The AT686A high-voltage insulation resistance tester adopts a 5-inch color LCD display screen (with touch control). It is equipped with a mainstream high-performance 32-bit ARM processor.



Power Supply 85VAC~250VAC 50Hz~400Hz Power: maximum 300VA

The AT686A insulation and voltage withstand tester can be widely used for safety performance inspection of household appliances, transformers, electrical equipment and components. This instrument is equipped with a Controller interface (PLC interface) and RS232C for convenient data communication and remote control with a PC, meeting the requirements of automated testing and improving production efficiency.

MODEL	AT686	AT686A
AC WITHSTAND VOLTAGE TEST		
Rated Output	5kVAC / 10mA	5kVAC / 10mA
Output voltage	0.050kV-5.000KV ; (resolution ratio0.001 (1V) ;accuracy ±（2%×Read value + 5dgt）;	0.050kV-5.000KV ; (resolution ratio0.001 (1V) ;accuracy ±（2%×Read value + 5dgt）;
Test Current	0.001mA-10.00mA (resolution ratio0.001/0.01 accuracy± (2%×Read value + 5dgt)	0.001mA-20.00mA (resolution ratio0.001/0.01 accuracy± (2%×Read value + 5dgt)
Working Frequency	50Hz / 60Hz， ±0.1%	
Output waveform	Sine wave, distortion less than 3% (pure resistive load)	
Voltage regulation rate	±(2%×Read value+5V）From no load to full load	
DC WITHSTAND VOLTAGE TEST		
Rated Output	6kVDC / 5mA	
Output voltage	0.050kV-6.000KV ; (resolution ratio0.001 (1V) ;accuracy ±（2%×Read value + 5dgt）;	
Test Current	0.001mA-5.00mA (resolution ratio0.001/0.01 accuracy± (2%×Read value + 5dgt)	0.001mA-10.00mA (resolution ratio0.001/0.01 accuracy± (2%×Read value + 5dgt)
INSULATION RESISTANCE		
Rated Output	2.5kV / 10GΩ	5kV / 100GΩ
Output voltage	0.050kV-**2.500KV** ; (resolution ratio0.001 (1V) ; accuracy ±（1% ×Read value + 2dgt）;	0.050kV-**5.000KV** ; (resolution ratio0.001 (1V) ; accuracy ±（2%×Read value + 5dgt）;
Resistance measurement range	0.02MΩ-10GΩ	1.0MΩ-100GΩ
Resistance measurement accuracy	**≥500V**: 1MΩ-1GΩ ±（5% Read value+5 dgt）; 1GΩ-10GΩ ±（10% Read value+5 dgt）	**≥1000V**: 1MΩ-1GΩ ±（5% Read value+5 dgt）; 1GΩ-100GΩ ±（10% Read value+5 dgt）
	< 500V: 0.1MΩ-1GΩ ±（10% Read value+5 dgt） 1GΩ-10GΩ For reference only	**< 1000V**: 1.0MΩ-1GΩ ±（10% Read value+5 dgt）; 1GΩ-10GΩ For reference only
General		
Discharge function	Automatic discharge after testing	
ARC Detector	1-9 （AC / DC）	
Voltage rise time	0.1s-999.9s	
Voltage test time	0.1s-999.9s	
Voltage drop time	0.1s-999.9s	
Interface	Handler（PLC ） 、RS232C 、USB	