3.2 TECHNICAL FEATURES

3.2.1 Accuracy: ± (a% × reading data + digits). To assure accuracy, the environment temperature should be (23±5) ℃, relative humidity be <75%.

One year accuracy guarantee since production date.

3.2.2 DC voltage (DCV).

Range	Accuracy	Resolution
200mV	±(0. 5% reading+5)	0.1mV
2V		1mV
20V		10mV
200V		100mV
600V	±(1.0% reading+5)	1V

Input impedance: at 200mV range >40MΩ, at other ranges is 10MΩ.

Overload protection: 1000V DC or 750V AC peak value.

3.2.3 AC voltage (ACV)

Range	Accuracy	Resolution
200mV	±(1.5% reading+10)	0.1mV
2V	±(1. 0% reading+5)	1mV
20V		10mV
200V		100mV
600V	±(1. 2% reading+5)	1V

Input impedance: at 200mV range >40MΩ,
at other ranges is 10MΩ.

Overload protection: 1000V DC or 750V AC peak value.

Frequency response: at 600V range: 40~100Hz,
at other ranges:40~400Hz.

Display: average value response (based on sine wave RMS).

3.2.4 AC current (ACA)

Range	Accuracy	Resolution
2A	±(3. 0% +5d)	1mA
20A	±(1.5% +5d)	10mA
200A		100mA
600A		1A

Overload protection: >800A, input time<1 minute.

Frequency response: 40Hz-200Hz.

Display: average value response (based on sine wave RMS)

3.2.5 Resistance

Range	Accuracy	Resolution
200Ω	±(0. 8% reading+5)	0. 1Ω
2kΩ	±(0. 8% reading+1)	1Ω
20kΩ		10Ω
200kΩ		100Ω
2MΩ		1kΩ
20MΩ	±(1. 2% reading+5)	10kΩ

Open circuit voltage: 200mV

Overload protection: 250V DC/AC peak value.

NOTE: At 200Ω range, short the test leads to measure the wire resistance, and then subtract it from the real measurement.

3.2.6 Continuity Test

Range	Description	Test Conditions
⊣◀	Diode forward voltage drop	Forward DC current is approx 0.5mA, reverse voltage is approx 1.5V.
·))	When the resistance under test is less than 50±10Ω, buzzer sounds continuously.	Open circuit voltage: 0.5V