

پتروفرهان گستر جنوب

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### 3.2.3 DC Current

Measuring range	Resolution	Accuracy
60A	0.01A	±(2.5% reading + 8 digits)
600A	0.1A	
1000A	1A	

- Maximum input current: 1000A DC

### 3.2.4 Surge Current

Measuring range	Resolution	Accuracy
60A	0.01A	< 60A for reference only ±(10% reading + 60 digits)
600A	0.1A	
1000A	1A	

Time of integration: 100ms; measurement range:  
10~1000A; frequency range: 40~400Hz

### 3.2.5 DC Voltage

Measuring range	Resolution	Accuracy
600mV	0.1mV	±(0.5% reading + 5 digits)
6V	0.001V	
60V	0.01V	
600V	0.1V	
1000V	1V	±(0.8% reading + 4 digits)

- Input impedance: 10MΩ  
- Maximum input voltage: 750V AC (RMS) or 1000V DC  
- 600mV measuring range can be inputted only by RANGE key.

### Note:

In the small voltage measuring range, the probe is not connected with the circuit to be tested, and the meter may have fluctuating readings, This is normal and caused by the meter's high sensitivity, and does not affect actual measurement results.

### 3.2.6 AC Voltage

Measuring range	Resolution	Accuracy
600mV	0.1mV	±(0.8% reading + 5 digits)
6V	0.001V	
60V	0.01V	
600V	0.1V	
750V	1V	±(0.8% reading + 4 digits)

- Input impedance: 10MΩ  
- Maximum input voltage: 750V AC (RMS) or 1000V DC  
- Frequency range: 50 ~ 60Hz  
- 600mV measuring range can be inputted only by RANGE key.

### Note:

In the small voltage measuring range, the probe is not connected with the circuit to be tested, and the meter may have fluctuating readings, This is normal and caused by the meter's high sensitivity. This does not affect the actual measurement results.

### 3.2.7 Frequency

#### 3.2.7.1 Clamp head measuring frequency (through grade A):

Measuring range	Resolution	Accuracy
60.00Hz	0.01Hz	±(1.5% reading + 5 digits)
600.0Hz	0.1Hz	
6.000kHz	1Hz	

- Measuring scope: 10Hz~1kHz
- The input signal range: ≥ 20AAC (RMS) (input current will increase when the frequency to be measured increases)

#### 3.2.7.2 Through grade V:

Measuring range	Resolution	Accuracy
60.00Hz	0.01Hz	±(1.5% reading + 5 digits)
600.0Hz	0.1Hz	
6.000kHz	1Hz	
60.00kHz	10Hz	

- Measuring scope: 10Hz~10kHz
- The input voltage range: ≥ 20mV AC (RMS) (input voltage will increase when the frequency to be measured increases)

#### 3.2.7.3 Through Hz grade:

Measuring range	Resolution	Accuracy
60.00Hz	0.01Hz	±(0.3% reading + 5 digits)
600.0Hz	0.1Hz	
6.000kHz	1Hz	
60.00kHz	0.01kHz	
600.0kHz	0.1kHz	
6.000MHz	1kHz	
60.00MHz	0.01MHz	

- The input signal: VPP 3V square wave; Overload protection: 250V DC or AC (RMS)

### 3.2.8 Duty Ratio

Measuring range	Resolution	Accuracy
10-90%	0.1%	±3.0%

### 3.2.9 Resistance

Measuring range	Resolution	Accuracy
600Ω	0.1Ω	±(0.8% reading + 3 digits)
6kΩ	0.001kΩ	
60kΩ	0.01kΩ	
600kΩ	0.1kΩ	±(1.2% reading + 3 digits)
6MΩ	0.001MΩ	
60MΩ	0.1MΩ	

- Overload protection: 250V DC or AC (RMS)