

## 208D

### 1000A AC/DC DIGITAL CLAMP METER

The 208D clamp on ammeter are 6000-count digital AC/DC clamp meters with auto range, large LCD, true RMS, auto scale memory, and NCV functions. They conform to CAT III 1000V/CAT IV 600V safety rating and certified by CE/UL/ETL. The 208D clamp meter come with LoZ mode for eliminating 'ghost' voltage, LPF ACV function for measuring INV and VFD voltage, and inrush current mode for capturing transient current. The 208D clamp meter also feature high-precision temperature measurement with 0.1 °C resolution, and can be equipped with a flexible current probe to extend the AC current measurement range to 3000A. According to EN61010-1 CAT IV 600V, CAT III 1000V standard.

It is versatile and suitable for various sectors including electric power, metrology, railways, communications, meteorology, oil fields, architecture, academic institutions, and industrial enterprises. The 208D clamp on meter have been used many in global market.

## Applications

1. Electronic design
2. Industrial on site
3. Oil, gas industrial
4. Electrical installation
5. Power quality analysis
6. Smart Grid Application
7. Electrical Measurement
8. Communication company



## Features

1. Date indication
2. Inrush current capture
3. 6,000 count LCD display
4. NCV/Function retention
5. True RMS/Auto backlight
6. Saves measurement data
7. Flashlight button: Short press this button to turn on/off the flashlight.
8. Battery capacity indication
9. 0-1000A AC/DC measurement
10. A/D convert fast sampling time
11. With temperature measurement
12. 40-1kHz frequency (voltage/current)
13. AC, AC V+DC V True-RMS measurements
14. NCV Multi-Segment Display and audio/visual alarm

## Parameters

Specifications		
AC current (A)	60A/600A/1000A	±(2.5%+8)
DC current (A)	60A/600A/1000A	±(3%+10)
AC current frequency response		10Hz~1kHz
Inrush current (A)	1000A	±(10%+10)
AC voltage (V)	6V/60V/600V/1000V	±(0.8%+5)
DC voltage (V)	6V	±(0.8%+3)
	60V/600V/1000V	±(0.5%+5)
Low pas filter (LPF ACV)	600V/1000V	±(2%+5)
LoZ ACV	600V/1000V	±(2%+5)
Resistance (Ω)	600Ω	±(1%+3)
	6KΩ/60KΩ/600KΩ	±(0.8%+3)
	6MΩ/60MΩ	±(0.8%+3)
Capacitance (F)	60nF	±(4%+25)
	600nF/6μF/60μF/600μF	±(4%+3)
	6mF/60mF	±(10%+9)
Temperature (°C)	-20°C~300°C	±(1%+20)
	300°C~1000°C	±(1%+2)
Low voltage frequency (Hz)	10Hz~1KHz	±(0.1%+3)
Duty cycle (%)	10%~90%	±(2.6%+7)
Features		
Display count		6000
Jaw opening		35mm
Current frequency		50Hz~60Hz
High voltage frequency		40Hz~1KHz
Analog bar		31
Auto power off		√
Continuity test		√
Auto/Manual range		√
Low battery indication		√
Diode test		√
Relative mode/Data hold		√
MAX/MIN		√
Function selection		√
Flashlight		√
Wake-up function		√
Auto power off current: <50μA		√
Flexible current probe (optional)	Extends to 3000A	√
Zero mode		√
Input impedance (ACV/DCV)	≥10MΩ	√

**Specifications - continued**

General Characteristics	
Power	1.5V battery (AAA) x 3
Display	43mm x 45mm
Product color	Orange and grey
Product net weight	380g
Product size	235mm x 85mm x 40mm
Safety standards	EN61010-1, EN61010-2-032, EN61326, CATIII 1000V
Standard accessories	Test leads, batteries, point contact temperature probe
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	600mm x 280mm x 280mm
Standard carton gross weight	About 15kg