

SG3003

Digital Impulse Voltage/ Current Peak Value Meter



SG3003 high-precision digital pulse peak value meter is mainly used in high-voltage pulse and the pulse current peak signal measurement. Signal measurement from 1V-1200V using advanced automatic convert technology and pulse signal plus or minus automatic identification technology, measurement of the peak can reach 0.5% linearity.

Combining with our high precision impulse divider and shunt, this system can be used to measure impulse voltage and current as a standard measurement system.

Functions

- **Signal Types:** 1.2/50, 4/10, 8/20, 20/250, 250/2000, cut-off wave, Arrester valves residual wave and impulse voltage and current wave.
- **K&R Setup:**
 - ◆ Set signal and input divider ratio & shunt resistance value; 7 valued digital input
 - ◆ K Setup Range: 99999.99 ---- 0.01
 - ◆ R Setup Range: 9.999999 ---- 0.000001
- **Signal Input Range:** 1~1200 V
- **Peak Value Measuring Linearity:** 0.5%

- **Automatic Convert Range:** Artificial diagnose signal value, automatic convert measurement range, to ensure measurement accuracy.
- **Signal Plus & Minus Recognition:** Automatic recognize input signal plus and minus. Follow peak value and display signal plus and minus simultaneously.
- **Measurement Count:** Automatic account pulse signals can return to zero
- **Data Storage:** Automatic save 300 sets signal peak value information, it can be printed and deleted.
- **Display:** Dot-matrix liquid crystal display, backlight
- **Connection:** RS485 port can upload peak value data to computer, background labview software
- **Print:** Software composed of printer drive

Technical Parameters:

Input Impedance: >1MΩ

Signal Connections: Standard BNC port, R16 input port, LEMO port (dedicated)

Working Power Supply: Power Frequency 220V/20VA

Ambient Environment: -15℃~55℃

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