AC CURRENT METERS

Digital Clamp Meter

Model ST-2020



- · Large digital and analog display. 3,200 count and 33-segment bar graph.
- · Auto/manual ranging method
- Backlit display
- Audible continuity
- · Diode test
- · Available continuity test
- Data hold
- Deluxe molded carrying case

This meter has been designed according to IEC-1010-2-032 concerning safety requirement for hand-held current clamps for electrical measurement and test.

Specifications AC volts 3V, 30V, 300V: $\pm (1.0\% \text{ rdg} + 5 \text{ dgts})$, 750V: $\pm (1.2\% \text{ rdg} + 5 \text{ dgts})$ DC volts 3V, 30V, 300V: ±(0.8% rdg + 1 dgt), 1,000V: ±(1.0% rdg + 2 dgts) AC current <100A: \pm (2.0% rdg + 10 dgts), 100 - 300A: \pm (3.0% rdg + 25 dgts) 300 - 600A: \pm (2.0% rdg + 5 dgts), 600 - 1,000A: \pm (3.0% + 25 dgts) Resistance 300Ω , $3k\Omega$, $30k\Omega$, $300k\Omega$, $3M\Omega$: $\pm(1.5\% \text{ rdg} + 5 \text{ dgts})$ 30MΩ: ±(2.0% rdg + 5 dgts) 30kHz: ±(2.0% rdg + 5 dgts) Frequency Maximum diameter for conductor is 55mm. 11" (H) x 4 7/64" (W) x 1 29/32" (D) / 1 lb. 2 oz. Dimensions / weight

Digital Clamp Meter



Features

- 3 1/2 digit, 2,000 count LCD
- Reads up to 1,000A
- Frequency
- Data hold
- Audible continuity
- Diode test
- Zippered case included

This meter has been designed according to IEC-1010-2-032 concerning safety requirement for hand-held current clamps for electrical measurement and test.

Specifications		
AC volts	200V, 750V Accuracy: ±(1.0% rdg + 4 dgts)	Resolution 0.1V
DC volts Accuracy	200mV, 2V, 20V, 200V, 1,000V 200mV - 200V: \pm (0.5% rdg + 1 dgt), 1,000V: \pm (0.8% rdg + 3 dgts)	Resolution 100mV
AC current Accuracy	20A, 200A, 1,000A 20A: ±(5% rdg + 5 dgts), 200 - 400A: ±(2.0% rdg + 5 dgts), 400 - 1,000A: ±(3.0% rdg + 3 dgts)	Resolution 100mA
Resistance Accuracy	200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ 200Ω: \pm (1.0% rdg + 3 dgts), 2kΩ - 2MΩ: \pm (1.0% rdg + 1 dgt)	Resolution 0.1Ω
Insulation test	20 MΩ ± 2 %, 2 ,000MΩ ± 4 % $≤ 500$ Ω, ± 5 % >500Ω (Model)	el ST-261 required)
Frequency	2kHz Accuracy: ±(1.5% rdg + 5 dgts)	Resolution 1Hz
Accessories	Test leads, manual, case, and 9V battery included.	
Dim. / weight	9" (H) x 2 11/16" (W) x 1 1/2" (D) / 11.5 oz.	

ALL-IN-ONE INSTRUMENT

4-Functions-in-1 Instrument Model MX-9300B

Features

2888

- One instrument with four test and measuring High accuracy and low cost for specialists and
- 2.7GHz Frequency Counter 2MHz Sweep Function Generator Digital Multimeter Digital Triple Power Supply
- Ideal for laboratory, production line, and R&D Full overload protection
- hobbyists
- · Unique performance to save space
- · Lightweight and attractive design.
- · Simple and easy operation.



Specifications Frequency Counter **Function Generator (continued) Digital Multimeter (continued)** +2.0% + 3dgts Measuring range Capacitance: 3 (4nF to 400nF) Waveforms: Sine, square, triangle, skewed sine, Frequency sweep: Sweep time 20mS to 2S ±3.0% + 5dgts Channel A: 1Hz to 20MHz 3 (4µF to 200µF) ramp, pulse, TTL level square Internal sweep mode: linear logarithmic LED display depending on gate time Frequency: 0.2Hz to 2MHz and input signal VCF voltage level: 0 to 10VDC Sweep width: More than 100:1 Power Supply (3½ Digit LCD with Backlight) At least 7 digits are displayed per Output impedance: Selectable $50\Omega \pm 10\%$, each second of gate time. Digital Multimeter Terminal 1 Terminal 2 Terminal 3 $600\Omega + 10\%$ Channel B: 20MHz to 2.7GHz Output voltage 0 - 30V 5V Fixed 15V Fixed Output amplitude: 2Vpp to 20Vpp open load Range of measurement: 1Vpp to 10Vpp (50Ω load) +0.3% + 1dat Input sensitivity **DC voltage:** 4 (400mV to 400V) Ripple 1mV max 2mV max. 2mV max. Channel A: 20mV rms sinewave or 100mVp Attenuator: -20dB Load regulation 0.1% + 5mV0.1% + 70mV | 0.1% + 35mV AC voltage: 4 (400mV to 400V) ±0.8% + 3dgts Channel B: 40mV rms sinewave for 20MHz to Sine wave: Distortion less than 1% (at 1kHz), (40Hz ~ 10kHz) 1.3GHz or 70mV rms sinewave for flatness +0.3dB Output current 2.2A 1 (750V) +1.0% + 3dgts 1.3MHz to 2.7GHz ~ 1kHz) (40Hz Square wave: Symmetry less than +3% (at 1kHz) DC current: 2 (40mA to 400mA) ±0.8% + 3dgts Maximum input voltage: 3V Rise & fall time less than 150nS Power source: Line voltage 110V/120V or (20A) Channel A: 35mVpp Channel B: 3mVnn (at 1kHz) 220V/240V AC at 50Hz ~ 60Hz AC current: 2 (40mA to 400mA) ±1.5% + 3dgts Triangle wave linearity: Less than 1% (up to (40Hz ~ 10kHz) DMM section: Single 9V battery Input impedance 100kHz), 5% (100kHz to 20MHz) 1 (20A) +2.0% + 5dgts **Dimensions:** 6 1/2" (H) x 14 1/2" (W) x 12 1/2" (D) Channel B: 50Ω Weight: 39lbs TTL output: Rise & fall time - less than 30nS (at 1kHz) Resistance: 5 (400M Ω to 4M Ω) +0.5% + 1dgt Selectable time base: Accessories: AC power cord. DMM test leads. ±1.0% + 2dgts Output level - more than 3V 1 (40MΩ) Channel A. B: Switch selectable