

Multimeter Clamp AC/DC - 100A

The perfect tool for low currents measurement DC/AC (TRMS AC)

Capabilities

- Measurement of AC (TRMS AC) and DC currents until 100A
- Measurement of currents until 3000A AC with flex clamps in option
- High sensitivity: range 6A and resolution 1mA
- Jaws opening: 20mm
- AC and DC voltage measurement until 1000V
- Resistance measurement until 40Mohms
- Frequency measurement until 50kHz
- Capacity measurement
- Temperature measurement
- Voltage detector function without contact
- Diode test and continuity with buzzer
- Adjustable auto-power off time
- Backlight LCD screen
- Lighting of measurement section
- Safety: 300V - CAT IV, 600V - CAT III



Technical specifications

MW 3035

Direct currents			
Range	6A, 60A, 100A		
Resolution	From 1mA to 100mA		
Accuracy	±(1,58% + 5d) with zero		
Position error	±1% of reading		
Protection	100A eff.		
Alternatif currents TRMS AC			
Range	6A, 60A, 100A		
Resolution	From 10mA to 100mA		
Accuracy	±(2,5% + 5d)		
Position error	±1% of reading		
Bandwith	40 to 1kHz		
Protection	100A eff.		
Alternatif currents TRMS AC with option flex clamps SP295 or SP296			
Range	300A, 3000A		
Resolution	From 0,1A to 1A		
Accuracy	±(1,0% + 5d) with flex		
Bandwith	40 to 500Hz		
DC Voltages			
Range	600mV to 1000V in 5 ranges		
Resolution	0,1mV to 1V		
Accuracy	±(0,7% + 2d)		
Protection	1000V eff.		
Alternatif voltages TRMS AC			
Range	6V to 1000V in 4 ranges		
Resolution	1mV and 1V		
Accuracy	±(1% + 5d)		
Bandwith	40 to 1kHz		
Protection	1000V eff.		
Resistance			
Range	600Ω to 40MΩ, in 6 ranges		
Resolution	0,1Ω to 10kΩ		
Accuracy	±(0,9% + 2d)		
Protection	1000V eff.		
Capacity			
Range	1000nF to 10mF, in 5 ranges		
Resolution	1nF to 10μF		
Accuracy	±(2,9% + 5d)		
Protection			1000V eff.
Diode test			Test current < 1mA
Quick continuity noises			for R < 20Ω (typical)
Frequency counter (in current and voltage measurement)			
Range			1000Hz, 10kHz, 50kHz
Resolution			0,1Hz à 10Hz
Accuracy			±(0,3% + 5d)
Sensitivity			6Vc-c / 1Ac-c (typical)
Protection			1000V eff. / 100A eff.
Temperature (thermocouple Type K)			
Range			- 40,0°C to +400,0°C (-40,0°F to +752°F)
Resolution			0,1°C or 0,1°F
Accuracy			±(1% + 20d)
Protection			without accuracy thermocouple
Voltage detector			80V to 1000V (typical) FunctionsHold, and Low pass filter (HFR) in V AC and A AC, MIN-MAX
Main caracteristics			
Display			Large backlight LCD screen
Digital display			3 digits 3/4, 6000 dots
Jaws opening			20mm
Measurement rate			3 measurement / s (except capacitance meter)
Temperature			0°C to 50°C
Storage Temperature			-20°C to 60°C
Protection			Electronic
Safety			CEI 1010 - 600V - CAT III, 1000V - CAT II and 300V - CAT IV
Power supply			2 batteries 1.5V - AA
Power life			Approx 150 hours (with batteries) Auto-power off after 20mn
Dimensions			60 x 220 x 33 mm
Weight			260g

Supplied with: a user's guide, safety cables, thermocouple Type K and batteries.

Accessories: flex SP295 (3000A AC, Diameter 10cm), flex SP296 (3000A AC, diameter 18cm).



FTMW3035 A00 - Specifications can be updated without notice

Sefram



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