

True RMS Digital AC/DC Clamp Meter with InRush Measurement

Dawson DCM220A



DCM220A Dawson True RMS Digital AC/ DC Clamp Meter with InRush Measurement

is a portable, hand-held yet professional meter that features an LCD with backlight, overload protection and low battery indicator. These Meters are easy to use with one hand, suitable for professional users or amateurs, and ideal for school or home use.

CURRENT	AC 1000A DC 1000A
JAW SIZE	Φ40mm/1.6"

\bar{V}	\bar{A}	Ω	\square	MAX MIN	H
$\frac{1}{f}$	Hz%	AUTO	\square	\square	TRMS
APO	REL	\rightarrow	NCV	INRUSH	



Technical Specification

Measurement	Measuring Range	Accuracy*	Resolution
Voltage			
DC (V)	60mV	$\pm(0.5\% + 5 \text{ counts})$	0.01mV
	600mV		0.1mV
	6V		0.001V
	60V		0.01V
	600V		0.1V
	1000V		$\pm(0.8\% + 4 \text{ counts})$
AC (V)	60mV	$\pm(0.6\% + 5 \text{ counts})$	0.01mV
	600mV		0.1mV
	6V		0.001V
	60V		0.01V
	600V		0.1V
	750V		$\pm(0.8\% + 4 \text{ counts})$
Current			
DC (A)	60A	$\pm(2.0\% + 8 \text{ counts})$	0.01A
	600A		0.1A
	1000A		1A
AC (A)	60A	$\pm(2.5\% + 8 \text{ counts})$	0.01A
	600A		0.1A
	1000A		1A
In-Rush (A)	60A	For reference only	0.01A
	600A	$\pm(10.0\% + 60 \text{ counts})$	0.1A
	1000A		1A
Frequency			
Clamp Mode (Hz)	99.99Hz	$\pm(1.5\% + 5 \text{ counts})$	0.01Hz
	999.9Hz		0.1Hz
Voltage Mode (Hz)	99.99Hz	$\pm(1.5\% + 5 \text{ counts})$	0.01Hz
	999.99Hz		0.1Hz
	9.999kHz		0.001kHz
Hz/Duty Mode (Hz)	9.999Hz	$\pm(0.3\% + 5 \text{ counts})$	0.001Hz
	99.99Hz		0.01Hz
	999.9Hz		0.1Hz
	9.999kHz		0.001kHz
	99.99kHz		0.01kHz
	999.9kHz		0.1kHz
Duty Cycle (Hz)	0.1-99.9%	$\pm 3.0\%$	0.1%
Resistance			
Ohms (Ω)	600 Ω	$\pm(0.8\% + 3 \text{ counts})$	0.1 Ω
	6k Ω		0.001k Ω
	60k Ω		0.01k Ω
	600k Ω		0.1k Ω
	6M Ω	$\pm(1.2\% + 3 \text{ counts})$	0.001M Ω
	60M Ω	$\pm(2.0\% + 5 \text{ counts})$	0.1M Ω

Technical Specification (Cont.)

Measurement	Measuring Range	Accuracy*	Resolution
Continuity			
Ohms (Ω)	200 Ω	Beep at <50 Ω	0.1 Ω
Capacitance			
Farads (F)	9.999nF	$\pm(3.0\% + 5 \text{ counts})$	0.001nF
	99.99nF		0.01nF
	999.9nF		0.1nF
	9.999 μ F		0.001 μ F
	99.99 μ F		0.01 μ F
	999.9 μ F		0.1 μ F
	9.999mF		0.001mF
	99.99mF		0.01mF
Diode			
Voltage (V)	3V	Forward biased voltage drop	0.001V

* All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions or under required conditions.

Product Information

Dimensions (LxWxH): 9.4"x3.7"x1.9"/238x92x50 (mm)

Weight: 0.92 lbs (420 g)

Safety Rating: CAT. III 1000V

CAT. IV 600V

Warranty: 3 years

Distributed By:



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