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Current Meters and Probes

Y-8100 Clamp On Current Probe

The F.W. Bell Y8100 is an exact replacement for the Fluke Model Y8100 clamp-on current probe. It can be used with a digital multimeter or oscilloscope to measure dc, ac or composite (ac/ dc) currents. The ergonomic pistol shape sets the standard for hand- held comfort. Two ranges, 20 A and 200 A, produce a 2 V output at full current range. An indicator light turns on when the battery voltage is too low for proper operation.



Model	Range	Accuracy	Frequency Resp.	Full Scale Output
Y8100	Low 20 A ac or dc	DC to 65Hz <100 A: +2% of range >100 A: +3% of range	dc to 1kHz	2V
	High 200 A ac or dc	65 Hz to 1000Hz <100 A: add +3% of reading >100 A: add +6% of range	dc to 1kHz	2V

Utility Master Series

The Utility Master Series offer measurement capabilities on a large conductor: DC and AC current (UM-1000), current and power (UM-7700) and DC and AC current, AC voltage. The UM Series' large aperture permits measurement of current in conductors up to 2 3/8" diameter

	Model	Model UM-1000
dc Current		
Range	±1 to 1000 A dc	±1 to 1000 A dc
Basic Accuracy	±2.5% of rdg	±2.5% of rdg
ac Current		
Range	±1 to 1000 A ac	±1 to 1000 A ac
Basic Accuracy	±2.5% of rdg	±2.5% of rdg
Actual Power		
Range	0.1 to 330 kW	
Basic Accuracy	±3% of rdg	
Frequency Response	dc to 5000 kHz	dc to 500 kHz
Output	Analog: ±1mV dc/A	Analog, 1mV/A
	1mV ac/A ac	
	±1 mV dc/kW ac	

CG Series

The Current Gun Series of hand-held, non-contact Meters and probes includes models for a wide variety of applications. The meter has a digital readout located in the normal line of sight in the handle, while the probes are used in conjunction with a multimeter, scope, or records. all models are for use on conductors up to 3/4 in diameter.

Model	Range (basic)	Accuracy	Frequency	Full Scale Output
CG-100A	10 A, 100A	±2%	DC TO 1kHz	1V
CG-100D	200A	±3%	DC to 1kHz	2V

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CG-120A	50A, 500A	±5%	DC to kHz	0.5V
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