AMPROBE®

Data Sheet

AD105A
True RMS Digital Ammeter



- Broad range 1000 A, AC and DC ammeter
- True-RMS
- Frequency measurement using clamp jaws
- Peak Hold and DC Auto Zero
- Autoranging
- 4000-count
- Belt-clip sleeve case included

General Specifications

Display:	3-3⁄4 digit LCD (max reading 3999)
Display Update Rate:	2/sec;
Overrange Indication:	"OL" indicated
Low Battery Indication:	Battery symbol appears when battery power is low
Power Supply	One 9 V battery (NEDA 1604, IEC 6F22)
Battery Life:	Alkaline 40 hours, approx.
Maximum Jaw Opening:	51 mm
Maximum Conductor Size:	51 mm (2 inches)
Operating Temperature:	0 °C to +50 °C, < 75 % R.H. non-condensing
Storage Temperature:	-20 °C to +60 °C, < 80 % R.H. non-condensing, batteries removed
Temperature Coefficient:	0.2 x (Spec. Acc'y), < 18 °C or >28 °C
Dimensions (WxHxD):	240 x 106 x 40 mm
Weight:	420 g (incl. Battery)

No hassle warranty

No waiting.

No shipping charges.

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

N10140

CE

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AD105A Digital Clamp Meter with Temperature

Specifications (at 23 °C ± 5 °C, < 80 % R.H. non-condensing)

Function	Range	Accuracy
AC Current (40-400 Hz)	400 A, 1000 A	
	0 - 40 A 40 - 400 A 400 - 1000 A	± (1.9 % rdg + 8 digits) ± (1.9 % rdg + 7 digits) ± (2.9 % rdg + 5 digits)
Crest Factor	(C.F. 1.4 to 2.0) (C.F. 2.0 to 2.5) (C.F. 2.5 to 3.0)	+ (1.0 % rgd) + (2.5 % rgd) + (4.0 % rgd)
Position Error		± (1.0 % rdg)
Resolution	0.1 A in 400 A range	
AC Current (Peak Hold)		
	Low, High	± (3.0 % rdg + 10 digits)
Resolution	0.1 A in Low range	
DC Current		
400 A, 1000 A		
	0 - 100 A	± (2.9 % rdg + 8 digits)
	100 - 400 A	± (1.9 % rdg + 5 digits)
	400 - 1000 A	± (2.9 % rdg + 5 digits)
Position Error		± (1.0 % rdg)
Resolution	0.1 A in 400 A range	
Frequency		
	4 kHz, 10 kHz	± (0.5 % rdg + 3 digits)
Resolution	1 Hz in 4 kHz range	
Min. Input Frequency	20 Hz	
Sensitivity	< 1 kHz	6 A RMS
	1 – 10 kHz	10 A RMS

Included Accessories:
users manual, carrying case

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