

Data Sheet

AD105

True RMS Digital Ammeter



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The AD105 True RMS ammeter measures non-linear loads to 1000 Amps. Measures both ac and dc Current. It has the widest range of current measurement of all the Meterman clamp meters.

- Broad range 1000 A, ac and dc ammeter
- True RMS

- Peak Hold and dc Auto Zero
- Autoranging
- Frequency measured through the jaws
- Belt-clip sleeve case included
- Hall effect sensor
- CAT III 1000 V rated

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

Function	Range	Accuracy
Current		
AC Current (40 to 400 Hz)	400 A, 1000 A	0 to 40 A ± (1.9 % rdg + 8 dgts)
		40 to 400 A ± (1.9 % rdg + 7 dgts)
		400 to 1000 A ± (2.9 % rdg + 5 dgts)
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	
Peak Hold	Low, High	± (3.0 % rdg + 10 dgts)
Resolution	0.1 A in Low range	
DC Current	400 A, 1000 A	0 to 100 A ± (2.9 % rdg + 8 dgts)
		100 to 400 A ± (1.9 % rdg + 5 dgts)
		400 to 1000 A ± (2.9 % rdg + 5 dgts)
Position Error		± (1.0 % rdg)
Resolution	0.1 A in 400 A range	
Frequency		
	4 kHz, 10 kHz	± (0.5 % rdg + 3 dgts)
Resolution	1 Hz in 4 kHz range	
Min. Input Frequency	20 Hz	
Sensitivity	< 1 kHz 6 A rms 1 to 10 kHz 10 A rms	

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 (2 inches)
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 mm x 106 mm x 40 mm
Weight	420 g (incl. Battery)
Auto Power Off	Approx. 30 minutes after no function change
Warranty	One-year

Included Accessories

Carrying case and users manual.

No waiting.

*No shipping
charges.*



No hassle warranty

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

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Meterman Test Tools

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