

# Model AD105

## True-rms Digital Ammeter



- Broad range 1000 A, AC and DC ammeter
- True-rms
- Peak Hold and DC Auto Zero
- Autoranging
- 4000-count
- Belt-clip sleeve case included
- CAT III 1000 V rated

### AD105 Specifications (at 23 °C ± 5 °C, < 80 % R.H. non-condensing)

#### AC Current (40-400 Hz)

<b>Ranges</b>	400 A, 1000 A
<b>Accuracy</b>	0 - 40 A ± (1.9 % rdg + 8 dgts) 40 - 400 A ± (1.9 % rdg + 7 dgts) 400 - 1000 A ± (2.9 % rdg + 5 dgts)
<b>Crest Factor</b>	(C.F. 1.4 to 2.0) + (1.0 % rgd) (C.F. 2.0 to 2.5) + (2.5 % rgd) (C.F. 2.5 to 3.0) + (4.0 % rgd)

<b>Position Error</b>	± (1.0 % rdg)
<b>Resolution</b>	0.1 A in 400 A range

#### AC Current (Peak Hold)

<b>Ranges</b>	Low, High
<b>Accuracy</b>	± (3.0 % rdg + 10 dgts)
<b>Resolution</b>	0.1 A in Low range

#### DC Current

<b>Ranges</b>	400 A, 1000 A
<b>Accuracy</b>	0 - 100 A ± (2.9 % rdg + 8 dgts) 100 - 400 A ± (1.9 % rdg + 5 dgts) 400 - 1000 A ± (2.9 % rdg + 5 dgts)
<b>Position Error</b>	± (1.0 % rdg)
<b>Resolution</b>	0.1 A in 400 A range

#### Frequency

<b>Ranges</b>	4 kHz, 10 kHz
<b>Accuracy</b>	± (0.5 % rdg + 3 dgts)
<b>Resolution</b>	1 Hz in 4 kHz range
<b>Min. Input Frequency</b>	20 Hz
<b>Sensitivity</b>	< 1 kHz 6 A rms 1 - 10 kHz 10 A rms



### General Specifications

**Display:** 3¾ 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); **Included Accessories:** Manual, carrying case

#### Features

True-rms, Hall effect sensor; Auto Power Off: Approx. 30 minutes after no function change; Peak Hold; Warranty: One-year



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