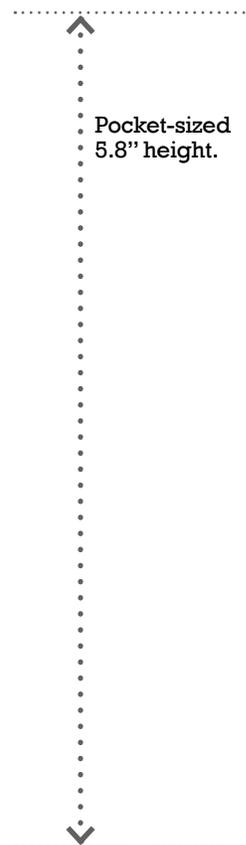# AMP-25
AC/DC TRMS Mini-Clamp

Convenience Without Compromise

Small size doesn't mean small features. The Amprobe AMP-25 Mini-Clamp is pocket-sized, enabling quick and easy spot checks of electrical systems. With its rugged construction and CAT III 600V rating, the AMP-25 is a must-have professional troubleshooting tool for commercial electricians and electrical contractors.

The AMP-25 is designed to measure AC/DC load current and inrush current for motors. Essential features like True-RMS, non-contact voltage and low pass filter make this clamp stand tall next to clamps twice its size. With the AMP-25, you never have to sacrifice performance for size.

AMP-25 Features

- **True-RMS** for noisy environments provides accuracy and dependability

- **AC & DC current** to 300 A (10mA resolution)

- **Low pass filter** for variable frequency drives

- **Inrush current** for motor start-up monitoring

- **Non-contact voltage** detection (NCV)

- **Jaw opening** to 1 in (25 mm)

- **Autoranging**

- **DCA zero** and **data hold**

- **Auto power off**

- **Large LCD backlit display**

- **Safety Rated** CAT III 600 V

Pocket-sized 5.8" height.

AMP-25
AC/DC TRMS Mini-Clamp

CAT III 600 V

AMP-25 Applications

Troubleshoot electrical systems and measure AC/DC load current on exposed wires in a breaker panel.

Utilize the inrush current function for motor start-up monitoring.

The non-contact voltage (NCV) function checks for voltage presence.

Pocket-sized for quick and easy spot checks of electrical systems.

AMP-25 Detailed Specifications

Feature	AMP-25	Best Accuracy
AC Current [1]	60.00 / 300.0 A	+/-(1.5% + 5 LSD) @ 50 to 100 Hz ≥ 3 A +/-(2.5% + 5 LSD) @ 100 to 400 Hz ≥ 3 A
DC Current [2]	60.00 / 300.0 A	+/-(1.5% + 5 LSD) @ 300 A range
Low Pass Filter	300.0 A	+/-(3.5% + 5 LSD) @ 50 to 60 Hz ≥ 3 A
True-RMS	•	
Inrush Current	•	
Non-Contact Voltage	•	
Data Hold	•	

Note [1]: Crest Factor (C.F.) may be up to 3.0 as 4000 counts.
    For non-sinusoidal waveforms:
    Add 3.0% for C.F. 1.0 to 2.0
    Add 5.0% for C.F. 2.0 to 2.5
    Add 7.0% for C.F. 2.5 to 3.0
    Position error of clamp: +/- 1.5 % of LCD reading
  [2] Add 10 LSD in auto AC/DC sense mode

General Specifications	AMP-25
Display	Digital: 6000 counts, updates 2/sec
Range	Autoranging
Overrange Indication	OL or -OL
Operating Temperature	32 °F to 86 °F (0 °C to 30 °C), ≤ 80% RH 86 °F to 104°F (30°C to 40 °C), ≤ 75% RH 104 °F to 122°F (40°C to 50 °C), ≤ 45% RH
Operating Altitude	≤ 2000 m
Storage Temperature	-4 °F to 140 °F (-20°C to +60°C)
Pollution Degree	2
Temperature Coefficient	0.2 x (specified accuracy)/ °F(<64.4°F, >82.4°F)/ °C (<18 °C, >28 °C)
Vibration Requirement	MIL-PRF-28800F for A Class 2
Drop Proof	4 feet (120 cm)
Battery	Two 1.5 V LR44 size button batteries
Battery Life	20 hours typical
Low Battery Indication	🔋
Auto Power Off	Idle for 20 minutes
Overvoltage Category	CAT III 600 V
Safety Compliance	IEC/EN 61010-1, IEC/EN 61010-2-030, IEC/EN 61010-2-032
EMC Compliance	IEC/EN 61326-1
Agency Approval	CSA CE ⚠
Dimensions (H x W x L)	5.8 x 2.4x 1.3 in (147 x 60 x 32 mm)
Weight	Approximately 0.31 lb (140 g) with batteries installed
Jaw Opening & Conductor Diameter	1.0 in (25 mm) max.

Accessories Included: Carrying case, two 1.5 V LR44 batteries installed and user manual.

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