

# AMP-25 AC/DC TRMS Mini-Clamp

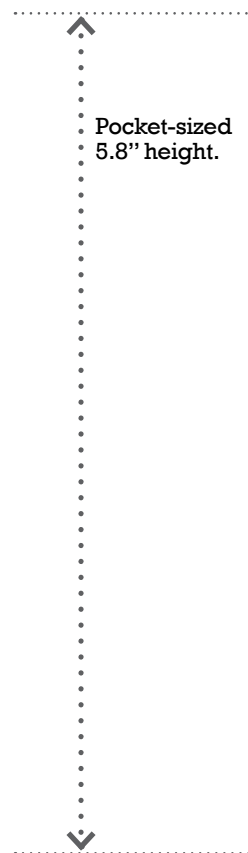
## Convenience Without Compromise

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**



## 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	General Specifications	AMP-25
AC Current <sup>(1)</sup>	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	Display	Digital: 6000 counts, updates 2/sec
DC Current <sup>(2)</sup>	60.00 / 300.0 A	+/- (1.5% + 5 LSD) @ 300 A range	Range	Autoranging
Low Pass Filter	300.0 A	+/- (3.5% + 5 LSD) @ 50 to 60 Hz ≥ 3 A	Overrange Indication	OL or -OL
True-RMS	•		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
Inrush Current	•		Operating Altitude	≤ 2000 m
Non-Contact Voltage	•		Storage Temperature	-4 °F to 140 °F (-20 °C to +60 °C)
Data Hold	•		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	
			Dimensions (H x W x L)	5.8 x 2.4 x 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.

**Note <sup>(1)</sup>:** 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  
<sup>(2)</sup> Add 10 LSD in auto AC/DC sense mode

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