



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

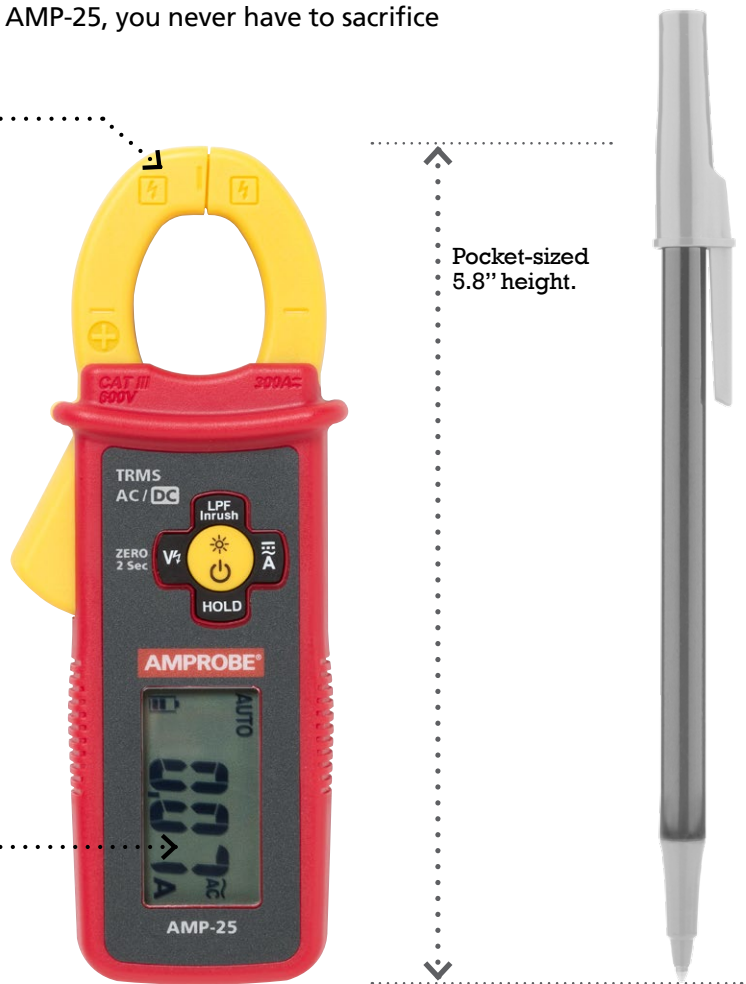
Additional Features

- **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)
- **Autoranging**
- **DCA zero** and **data hold**
- **Auto power off**
- **Safety Rated CAT III 600 V**

Jaw opening
to 1 in (25 mm)

Pocket-sized
5.8" height.

Large LCD
backlit display



AMP-25
AC/DC TRMS Mini-Clamp



Safety Certification

All Amprobe tools, including the Amprobe AMP-25, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



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 ⁽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	Display	Digital: 6000 counts, updates 2/sec
DC Current ⁽²⁾	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 ⁽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

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