

AMP-300 Series Motor Maintenance TRMS Clamp Meters

The Modern Evolution of the Professional Clamp Meter

Amprobe's AMP-300 Series True-RMS Multimeter Clamps offer customers a complete range of measuring functions for modern industrial environments, motor testing and HVAC applications. All models feature True-RMS sensing, low pass filters and fast response processors for quick, error-free measurements. The Amp-Tip function allows for precise measurement of current down to the tenth of an Amp, and a third input jack enables motor rotation and 3-phase sequence testing.



AMP-310
AC Clamp Meter
HVAC

AMP-320
AC/DC Clamp Meter
Electrical Motor
Maintenance

AMP-330
AC/DC 1000 A Clamp
Meter Industrial Motor
Maintenance

AMP-300 Series Key Features

- **True-RMS**
- **Motor Testing Capabilities**
 - Motor rotation
 - 1 and 3-phase sequence testing
 - Inrush current monitoring during motor start-up
- **HVAC Features**
 - Temperature measurement; User selectable °F or °C
 - DC Micro-amps for flame sensor testing
 - Capacitance measurement for start and run motor capacitors
- **Amp-Tip Function**
- **Low Pass Filter** for variable frequency drives
- **Safety Rating:**
CAT III 600 V (AMP-310, AMP-320)
CAT III 1000 V, CAT IV 600 V (AMP-330)

AMP-300 Series Key Applications

- **Accurate measurement of current, voltage and frequency** on all electrical systems including distorted, non-sinusoidal signals (TRMS function) and variable frequency drives (low pass filter).
- **Capacitance measurement** for start and run motor capacitors.
- **Resistance and continuity** functions to verify quality of electrical connections and to check if motor and transformer coils are working properly.
- **3-phase Motor and Phase Rotation** tests allow proper connection of a motor to a 3-phase system.
- **Low Pass filter** allows measurement of current and voltage on variable frequency drives (motors with speed controlled by frequency).
- **DC Microamps** output for measurement of flame sensors.
- **Inrush current measurement** for motor start-up monitoring, allowing users to verify that the motor is receiving the required inrush current to support proper motor start.



AMP-310 AC Clamp Meter HVAC



AMP-320 AC/DC Clamp Meter
Electrical Motor Maintenance



AMP-330 AC/DC 1000 A Clamp Meter Industrial Motor Maintenance

