

Clamp-On AC Current Probes

- Record measurements safely without breaking the circuit under test.
- Efficient design and evenly distributed windings maintain accurate, consistent readings regardless of wire size or position.

Emerson offers clamp-on current probes for use with CSI and AMS machinery analyzers. Electric current ampere readings are acquired and automatically stored in the analyzer. Spectra of these measurements may be permanently stored, trended, or analyzed for alarms by uploading to the AMS Machinery Manager software application. The measurements may also be used for induction motor analysis within the motor analysis application of the software.



Model 341 B

This model is a good general purpose tool for a wide range of applications. The design allows the clamp to be placed around conductors that are not easily accessible.

Current Range	1 to 600A
Working Voltage	660VAC max
Max Conductor Size	1.18" (30 mm)
Transformation Ratio	1000:1
Sensitivity	5mV/A
Accuracy (Phase Shift)	1- 25A +/-3% (3°)
	25-100A +/-1.5% (1.5°)
	100-600A +/-1% (1°)



Model 341 C

This model is ideal for measurements acquired at switch gears and motor control centers.

Current Range	0.05 to 150 A
Working Voltage	250VAC max
Max Conductor Size	0.47" (12 mm)
Transformation Ratio	1000:1
Sensitivity	5mV/A
Accuracy (Phase Shift)	50mA-100A +/- 1% (3.5°)
	100-120A +/-1.5% (3.5°)



Model 341 D

This heavy-duty model measures electrical current up to 1000 amps and delivers excellent accuracy, frequency response, and phase shift characteristics.



Current Range	0.1 to 1200 A
Working Voltage	600VAC Cat. III
Max Conductor Size	2.05" (52mm)
Transformation Ratio	1000:1
Sensitivity	5mV/A
Accuracy (Phase Shift)	0.1-10A +/-3% (3.5°)
	10-50A +/-1.5% (1.5°)
	50-200A +/-0.75% (0.75°)
	200-1200A +/-0.5% (0.5°)

Complementary Accessories

- Model 631/632 coiled cable
- Model 622 voltage adapter (when using a BNC cable)
- Model 650 coupler

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