



A.H. Systems, Inc.

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BCP-610

Broadband Current Probe

20 Hz – 20 MHz

This current probe measures currents on 50 Hz, 60 Hz and 400 Hz power lines and has a usable frequency range of 20 Hz - 20 MHz.



Frequency Range : 20 Hz - 20 MHz

Transfer Impedance : -63 to -28 dBΩ

Max Primary Current : 800 Amps (DC to 60 Hz)

Max Primary Current : 400 Amps (400 Hz)

Max CW Current : 220 Amps

Max Peak Pulse Current : 5,000 Amps

Connector : N-Type, Female

Physical Dimensions

Aperture: 1.25" (33 mm)

Weight: 1.4 lb.'s (0.65 Kg)

Features

- Measure conducted emissions from 20 Hz to 20 MHz
- Individually Calibrated (Transfer Impedance calibration included)
- High Current Capability
- Split Type Clamp-on Design

Conducted currents can be measured without making direct contact with the source conductor or metallic surface by means of clamp-on current probes. The BCP-610 Current Probe is designed to permit field intensity meters, spectrum analyzers, and other 50 ohm impedance instruments to measure quantitative magnitudes of current. Measurements can be made on single and multi-conductor cables, ground and bonding straps, shielded conduits and on coaxial cables.

For ease and convenience of performing conducted measurements, all of our current probes utilize the split type clamp-on design. Small and lightweight, each Current Probe is manufactured to exacting standards, thus insuring repeatable performance.

Recommended Accessories

- CPF-630 Current Probe Fixture
- SAC-213 N/N Cable, 3 Meter



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Calibration, Broadband Current Probe

Model Number: BCP-610

Transfer Impedance Conversion Formula:

$$\text{dB}\mu\text{A} = \text{dB}\mu\text{V} - \text{dB}\Omega + \text{cable loss}$$

