A.H. Systems, Inc.
9710 Cozycroft Ave.
Chatsworth, CA 91311

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BCP-616

Broadband Current Probe
***1**0 KHz – 150 MHz*

This probe is capable of measuring pulse currents up to 200 amperes.

Frequency Range:	10 KHz - 150 MHz
Transfer Impedance:	-80 to 15 (dBΩ)
Max Cont. Current:	600 Amps (DC to 400 Hz)
Max Primary current CW:	40 Amps
Peak Pulse Current:	200 Amps
Connector:	BNC-Type, Female

Physical Dimensions

Aperture:	1.25" *(32 mm)*
Weight:	1.2 lb.'s *(0.55 kg)*

Features

- High current conducted emissions measurements without saturation.
- pulse currents up to 200 amperes
- Individually Calibrated (Transfer Impedance calibration included)
- Split Type Clamp-on Design
- Three Year Warranty

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-616 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. A current probe acts as a single turn primary, multiple turn secondary transformer, placing low series impedance in the probed power line or signal lead while capable of driving a usable signal into a 50ohm receiver. A current probe is characterized by its transfer impedance, ZT (dBohm) the ratio of output voltage into a standard load (usually 50ohm for EMI testing) divided by the net current traveling through the probe window area.

Recommended Accessories

- CPF-630 Current Probe Fixture

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- SAC-213 N/N Cable, 3 Meter

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Calibration, Broadband Current Probe
Model Number: BCP-616

Transfer Impedance Conversion Formula:

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