



A.H. Systems, Inc.

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BCP-618

Current Probe

100 KHz – 500 MHz

This probe can be used to measure small RF currents in the basic configuration and pulse currents with wide ranging magnitudes.



Frequency Range: 100 KHz - 500 MHz

Transfer Impedance (dBΩ): 8

Max Primary Current CW: 60 Amps

Max Primary Current
(at 400 Hz): 350 Amps

Connector: N-Type, Female

Physical Dimensions

Aperture: 2.6" (66 mm)

Diameter: 5.27" (134 mm)

Weight: 5.4 lb.'s (2.46 kg)

Features

- High current conducted emissions measurements without saturation.
- Ideally suited to measuring currents on large cables.
- 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-618 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.



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Calibration, Broadband Current Probe



Model Number: BCP-618

Transfer Impedance Conversion Formula:

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

