



## A.H. Systems, Inc.

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## BCP-619

### Broadband Current Probe

100 Hz – 100 MHz

This current probe measures high power pulse currents such as those associated with EMP wave shapes. It clamps around large conductors or bundles of wire and has an aperture of 2.7".



Frequency Range: 100 Hz - 100 MHz

Transfer Impedance (dBΩ) -90 to -43

Max Primary Current CW 60 Amps

Max Primary Current  
(at 400 Hz) 300 Amps

Max Primary Current Peak 5,000 Amps

Connector: N-Type, Female

### Physical Dimensions

Aperture: 2.7" (70 mm)

Diameter: 5.0" (125 mm)

Weight: 2.5 lb.'s (1.13 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-619 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.

### Recommended Accessories

- CPF-530 Current Probe Fixture
- SAC-211 N/N Cable, 3 Meter



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**Broadband Current Probe  
Calibration Model: BCP-619**

Transfer Impedance Conversion Formula:

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

