



## A.H. Systems, Inc.

9710 Cozycroft Ave.  
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www.AHSystems.com

## BCP-620

### Broadband Current Probe

10 KHz – 500 MHz



Frequency Range: 10 KHz - 500 MHz

Transfer Impedance (dBΩ) -29 to 17

Max Primary Current CW 40 Amps

Max Primary Current  
(at 400 Hz) 200 Amps

Max Primary Current Peak 60 Amps

Connector: N-Type, Female

### **Physical Dimensions**

Aperture: 1.25" (33 mm)

Weight: 2.5 lb.'s (1.13 kg)

### **Features**

- High current conducted emissions measurements without saturation.
- Individually Calibrated (Transfer Impedance calibration included)
- Split Type Clamp-on Design
- MIL-STD 461 Monitoring current probe
- Three Year Warranty

The BCP-620 broadband current probe is a toroidal transformer used to measure RF current without directly connecting to the electrical conductor or cable under test. The conductor passing through the aperture of the current probe acts as a single turn primary of the transformer. The secondary is designed for a 50 ohm system such as an EMI meter or spectrum analyzer. This current probe can handle 60 amperes of pulse currents and 40 amperes of CW between the usable frequency range of 10 KHz to 500 MHz.

### **Recommended Accessories**

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



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Calibration, Broadband Current Probe



Model Number: BCP-620 SN: 201

Transfer Impedance Conversion Formula:

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

