



## A.H. Systems, Inc.

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## ICP-523

### Injection Current Probe

300 KHz – 1000 MHz

For Automotive and bulk injection testing.



Frequency Range: 300 KHz – 1000 MHz

Insertion Loss: 4 to 16 dB

Transfer Impedance: 18 to 34 dBΩ

Rated Watts: 100 watts CW

Connector: N-Type, female

### Physical Dimensions

Inner Diameter: 1.6 in. (40 mm)

Outer Diameter: 5.0 in. (127 mm)

Height: 2.0 in. (64 mm)

Weight: 5.5 lb.'s (2.5 kg)

### Features

- Measures currents on 50 Hz, 60 Hz and 400 Hz power lines
- Individually Calibrated (Transfer Impedance calibration included)
- Split Type Clamp-on Design

This high frequency injection current probe is used for BCI testing in accordance with automotive specifications as well as diagnostic bulk current injection testing up to 1,300 MHz. The insertion loss is 7 dB or less from 1 MHz to 600 MHz and 11 dB or less from 600 KHz to 1,000 MHz. The CW input power rating is 100 watts for 30 minutes.

### Recommended Accessories

- SAC-211 (3 meter N/N Cable, RG-214U)
- CPF-531 Current Probe Fixture
- BCP-512 Monitoring Current Probe



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**Injection Current Probe  
Insertion Loss  
Model: ICP-523**

**Insertion Conversion Formula:**

$$\text{Injected Current(dB)} = \text{input Current(dB)} - \text{Insertion Loss(dB)} - \text{cable loss}$$

