



A.H. Systems, Inc.

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ICP-522

Injection Current Probe

1 MHz – 400 MHz

This injection current probe is used to couple large RF currents from 1 MHz to 400 MHz into signal and power circuits to meet specific testing requirements.



Frequency Range: 1 MHz – 400 MHz

Insertion Loss: 4 to 22 dB

Transfer Impedance: 12 to 33 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: 4.0 lb.'s (1.8 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

Injection Current Probes are used to inductively couple large RF currents into conductors passing through their aperture. The conductors are signal, control and power circuits of equipment under test for conducted susceptibility or immunity. This injection current probe is used to couple large RF currents from 1 MHz to 400 MHz. The CW input power rating of this injection current probe is 200 watts for a duration of 30 minutes.

Recommended Accessories

- SAC-213 (3 meter N/N Cable, RG-58A/U)
- CPF-530 Current Probe Fixture
- BCP-515 Monitoring Current Probe



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Injection Current Probe

Insertion Loss

Model: ICP-522

Insertion Conversion Formula:

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

