

LARGE SPRING CLAMP-ON CURRENT SENSOR

I-400, I-410

The I-400 and I-410 wide band current sensors were developed to facilitate current measurement on conductors where space is limited. The convenient size and shape make them quick to install over existing conductors that are difficult to pass through a fixed-window type probe. The aperture of .50 inches allows testing of a cable or cables up to and including the size of RG-9 coax.

The relationship between the sensed current and output voltage is:

$$V_{\text{out}} = Z_t \times I_{\text{sensed}}$$

where Z_t = Transfer Impedance

Electrical Specifications

	<u>I-400</u>	<u>I-410</u>
Frequency Range (3db points)	50 KHz to >450 MHz	15 KHz to >450 MHz
Bandpass Flatness ($\pm .5\text{db}$)	120 KHz to 50 MHz	30 KHz to 200 MHz
Transfer Impedance (Z_t)	5 Ω	1 Ω
Current Handling Capability	1 amp RMS (CW)	1 amp RMS (CW)
Output Impedance	50	50
Connector	SMA (female)	SMA (female)

Physical Specifications

