

## SPRING CLAMP-ON CURRENT SENSOR

### I-300, I-310, I-320

The I-300, 310 & 320 wide band current probes were designed to facilitate current measurements on conductors where space is limited. The convenient size and shape make them quick to install over existing conductors that are inconvenient to pass through a fixed-window type probe. The aperture of .220 inches diameter allows for testing cables the maximum size of RG-58.

The relationship between the sensed current and output voltage is:

$$V_{out} = Z_T \times I_{sensed}$$

where  $Z_T$  = Transfer Impedance

### ELECTRICAL SPECIFICATIONS

	<u>I-300</u>	<u>I-310</u>	<u>I-320</u>
Frequency Range (3db points)	180 KHz to 300 MHz	50 KHz to 200 MHz	200 KHz to 500 MHz
Bandpass ( $\pm .5$ db)	400 KHz to 200 MHz	100 KHz to 125 MHz	150 KHz to 450 MHz(<2db)
Transfer Impedance $Z_T$	5	1	1
Current Handling Capability	>10 A pulse	>10 A pulse	>10 A pulse
Output Impedance	50 $\Omega$	50 $\Omega$	50 $\Omega$
Connector	SMA	SMA	SMA

### PHYSICAL SPECIFICATIONS

