

Current Clamps

A Complete Family of AC/DC Clamps

AC/DC Current Clamp Compatibility Chart



80i-110s



i410



i1010

AC/DC Current Clamp Specifications

	80i-110s	i410	i1010
Measurement Type		Hall Sensor	Hall Sensor
Nominal AC Current Ranges	0-10A, 0-100A	1-400A	1-600A
Continuous AC Current Range	0.1-100A	1-400A	1-600A
Lowest Measurable AC Current	0.1A	Usable to 0.5A	Usable to 0.5A
Highest Measurable AC Current	140A peak	400A	600A
Accuracy	0.05 to 100A, DC to 5 kHz: 3% of reading 0.05 to 100A, 5 kHz to 20 kHz: 12% of reading	3.5% of reading + 0.5A	2% of reading + 0.5A
Frequency Range/Response	DC to 100 kHz	3 kHz (response at -3 dB)	10 kHz (response at -3 dB)
DC Range	0-100A	1-400A	1-1000A
DC Accuracy	<3% of reading +50mA	3.5% of reading + 0.5A	2% of reading + 0.5A
Zero Error Adjustment	Yes	Yes	Yes
Working Voltage	600V	600V	600V
Maximum Conductor Diameter	11.8 mm	30 mm	30 mm
Output Levels	10 mV/A, 100 mV/A	1 mV/A	1 mV/A
Output Cable	1.6 meter with BNC termination	Shrouded Banana Plugs	Shrouded Banana Plugs
Electrical Noise Immunity		Good	Good
Battery Life	55 hrs	60 hrs	60 hrs
Warranty	1 year	1 year	1 year
Safety, EN 61010-2	CAT II 600V, CAT III 300V	CAT III 600V	CAT III 600V

AC/DC Current Clamp Compatibility Chart	7-300 / 7-600	10 / 11 / 12 / 12B	16	27	70 Series III	73 Series III	21/75 Series III	23/77 Series III	26/79 Series III	8060A / 8062A	83 Series III	85 Series III	87 Series III	187 Series	189 Series	867B	39 / 41B	123	190 Series	43	45	50S/60D	51/52/53/54 series II	30 / 31 / 32 / 33 / 36	705	712	713	714	715	716	717	718	724	725	741B	743B	744	787				
80i-110s	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
i410	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
i1010	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●