Current Clamps

| 80i-110s | i30 | i30s | i310s | i410 | i1010 |

Specifications AC/DC Models

	80i-110s	i30	i30s	i310s	i410	i1010
Measurement type	Hall sensor	Hall sensor	Hall sensor	AC/DC	Hall sensor	Hall sensor
Nominal current range(s)	10 A, AC/DC 100 A, AC/DC	20 A AC RMS or DC	20 A AC RMS or DC	30/300 A AC RMS or 45/450 A DC	400 A, AC/DC	600 A, AC 1000 A, DC
Continuous current range	0.1 A - 10 A AC/DC 1 A - 100 A AC/DC	30 A AC Peak	30 A AC Peak	100 mA - 300 A AC RMS or 450 A DC	1 A - 400 A AC/DC	1 A - 600 A, AC 1 A - 1000 A, DC
Highest current	140 A - 2 kHz	30 A AC Peak	30 A AC Peak	300 A AC RMS or 450 A DC	400 A	1000 A
Lowest measurable current	0.1 A	50 mA	50 mA	100 mA	0.5 A	0.5 A
Basic accuracy [1]	3% + 50 mA (@ 10 A)	± 1% of reading ±2 mA	± 1% of reading ±2 mA	±1% of reading	3.5% + 0.5 A	2% +0.5 A
Useable frequency	DC - 100 kHz	DC to 20 kHz (-0.5dB)	DC to 100 kHz (-0.5dB)	DC to 20 kHz	DC - 3 kHz	DC - 10 kHz
Zero error adjustment	●	manual adjust via thumbwheel	manual adjust via thumbwheel	Manual	●	●
Max. working voltage	600 V	300 V AC RMS	300 V AC RMS	300 V AC RMS or DC	600 V	600 V
Maximum conductor diameter	11.8 mm	19 mm	19 mm	19 mm	30 mm 2 x 25 mm	30 mm 2 x 25 mm
Output level(s)	100 mV/A 10 mV/A	100 mV/A	100 mV/A	10/1 mV/A	1 mV/A	1 mV/A
Battery, battery life	9 V, 55 h	30 hours typical	30 hours typical	30 hours	9 V, 60 h	9 V, 60 h
Output cable length (m)	1.6	1.5	2	2	1.6	1.6
Shrouded banana Plugs		●	n/a		●	●
BNC connector	●	n/a	●	●		
BNC to banana adapter included		n/a	●	●		
Safety	CAT II, 600 V CAT III, 300 V	CAT III, 300 V	CAT III, 300 V	CAT III 300 V	CAT III, 600 V	CAT III, 600 V

[1] Basic Accuracy: % reading + floorspec

i410 Kit AC/DC Current Clamp (400A) with soft case
i1010 Kit AC/DC Current Clamp (1000A) with soft case
• Combination of current clamp with carrying case
• Zipped soft case with moveable divider
• Soft case is large enough to hold a meter

Current Clamp Compatibility Chart

	113/114/115/116/117	175/177/179	233	287/289	27II / 28II	3000FC	8845A/8846/8808A	77 IV	83V/87V/88V	43B	430 Series II	123/124/125	190 Series II	1577/1587	715/724/725	753/754	787/789
AC Models																	
i5s											●		●				
i200	4	●	●	●	●	●	●	●	●					●			●
i200s	●	●	●	●	●	●	●	●	●			●	●	●		●	●
i400		●	●	●	●	●	●	●	●					●			●
i400s	2	2	2	2	2	2	2	2	2	●	●	●	●	2		2	2
i430 flexi-TF-II											●						
i800	4	●	●	●	●	●	●	●	●					●			●
i1000s	2	2	2	2	2	2	2	2	2	●		●	●	2		2	2
i2000 flex (new version)	●	●	●	●	●	●	●	●	●	3	3	3	3	●			●
i3000s	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
i3000s flex	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
i6000s flex	●	●	●	●	●	●	●	●	●	●				●		●	●
AC/DC Models																	
i30	●	●	●	●	●	●	●	●	●					●			●
i30s	●	●	●	●	●	●	●	●	●	●	●	●	●				
80i-110s	2	2	2	2	2	2	2	2	2	●	●	●	●	●		2	2
i310s	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●
i410 / i410 kit	●	●	●	●	●		●	●	●	●		3	3	●	1	●	●
i1010 / i1010 kit	●	●	●	●	●		●	●	●	●		3	3	●	1	●	●
Other																	
90i-610s*		2	2	2	2	2	2	2	2	2		●	●	2		2	2

* For specifications of 90i-610s see page 154
1 For DC only
2 Requires PM 9081 (see page 103)
3 Requires PM 9082 (see page 103)
4 115, 117 only

All accessories have a one year warranty