

Current Clamps



i5s



i50s



i200



i200s



i400



i400s

Specifications AC models

	i5s	i50s	i200	i200s	i400	i400s
Nominal current range(s)	5 A	3/30 AC RMS or DC	200 A	20 A 200 A	400 A	40 A 400 A
Continuous AC current range	0.01 A - 6 A	30 A cont. 50 A <10 sec	0.5 A - 200 A	0.1 - 24 A 0.5 A - 200 A	5 A - 400 A	0.5 - 40 A 5 A - 400 A
Highest current	70 A	30 A cont. 50 A <10 sec	240 A	240 A	1000 A	1000 A
Lowest measurable current	10 mA	10 mA	0.5 A	0.5 A	1 A	0.5 A
Basic accuracy (48-65 Hz) ¹⁾	1%	± 0.5 % typical DC to 100 kHz	1% + 0.5 A	1.5% + 0.5 A	2% + 0.15	2% + 0.15
Useable frequency	40 Hz - 5 kHz	Dc to 50 MHz	40 Hz - 10 kHz	40 Hz - 10 kHz	45 Hz - 3 kHz	45 Hz - 3 kHz
Max. working voltage	600 V AC	300 V AC RMS or DC	600 V AC	600 V AC	1000 V	1000 V
Maximum conductor diameter	15 mm	5 mm	20 mm	20 mm	32 mm	32 mm
Output level(s)	400 mV/A	1/100 mV/A	1 mA/A	100 mV/A 10 mV/A	1 mA/A	10 mV/A 1 mV/A
Battery, battery life		External Power				
Output cable (m)	2.5	2 m	1.5	2.0	1.5	2.5
Shrouded banana plugs			●		●	
BNC connector	●	●		●		●
BNC to banana adapter included				●		
Safety	CAT III, 600 V	CAT I 300 V	CAT III, 600 V	CAT III, 600 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V

¹⁾ Basic Accuracy: % reading + floorspec



i800



i1000s



i2000 flex



i3000s flex



i3000s



i6000s

	i800	i1000s	i2000 flex	i3000s flex-24 i3000s flex-36	i3000s	i6000s flex-24 i6000s flex-36
Nominal current range(s)	800 A RMS	10 A 100 A 1000 A	20 A 200 A 2000 A	30 A 300 A 3000 A	30 A 300 A 3000 A	60 A 600 A 6000 A AC
Continuous AC current range	0.1 A - 800 A RMS	0.1 A - 10 A 0.1 A - 100 A 1 A - 1000 A	1 A - 20 A 2 A - 200 A AC RMS 30 A - 2000 A	1 A - 30 A 2 A - 300 A AC RMS 30 A - 3000 A	1 A - 30 A 1 A - 300 A 1 A - 2400 A	1 A - 6000 A AC RMS
Highest current	1500 A	2000 A	2500 A AC RMS	3500 A AC RMS	4000 A	6000 A
Lowest measurable current	0.1 A	0.1 A	1 A	1 A	1 A	1 A
Basic accuracy (48-65 Hz) ¹⁾	0.10%	1% + 1 A	1%	1%	2% + 2 A	± 1% of range
Useable frequency	30 Hz - 10 kHz	5 Hz - 100 kHz	10 Hz - 20 kHz (-3dB)	10 Hz - 50 kHz (-3dB)	10 Hz - 100 kHz	10 Hz to 50 kHz
Max. working voltage	600 V AC RMS or DC	600 V AC	600 V AC RMS	600 V AC RMS	600 V AC	600 V AC RMS or DC
Maximum conductor diameter	54 mm	54 mm	178 mm	Flex-24 178 mm Flex-36 275 mm	64 mm	Flex-24 170 mm Flex-36 275 mm
Output level(s)	1 mA/A	100 mV/A 10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A	10 mV/A 1 mV/A 0.1 mV/A	50 mV/A 5 mV/A 0.5 mV/A
Battery, battery life			200 hours	400 hours		400 hours
Output cable (m)	1.6 m	1.6	0.5	0.5	2.1	0.5 m
Shrouded banana plugs	●		●	n/a		
BNC connector		●	n/a	●	●	●
BNC to banana adapter included			n/a	●	●	●
Safety	CAT III 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V

¹⁾ Basic Accuracy: % reading + floorspec

Current Clamps



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	0.1A – 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 ± 2mA	± 1% of reading ± 2mA	± 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 m	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

Current Clamp Compatibility Chart



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
- Zippered soft case with moveable divider
- Soft case is large enough to hold a meter

	114/115/116/117	175/177/179	187/189	287/289	27	8845A/8846	8808A	77 IV	83V/87V	88V	43B	430 Series	123/124	125	190 Series	1577 / 1587	715	724	725	741B/743B/744	787	789	
AC Models																							
i5s		●	●	●	●	●	●	●	●	●		●		●	●							●	●
i200		●	●	●	●	●	●	●	●	●		●		●	●							●	●
i200s		●	●	●	●	●	●	●	●	●		●		●	●							●	●
i400																							
i400s	2	2	2	2	2	2	2	2	2	2	●	●	●	●	●	2					2	2	2
i430 Flex												●											
i800		●	●	●	●	●	●	●	●	●							●					●	●
i1000s	2	2	2	2	2	2	2	2	2	2	●	●	●	●	●	2					2	2	2
i2000flex (new version)		●	●	●	●	●	●	●	●	●						●						●	●
i3000s		●	●	●	●	●	●	●	●	●	●	●	●	●	●						●	●	●
i3000flex		●	●	●	●	●	●	●	●	●						●					●	●	●
i6000s		●	●	●	●	●	●	●	●	●						●					●	●	●
AC/DC Models																							
i30		●	●	●	●	●	●	●	●	●												●	●
i30s		●	●	●	●	●	●	●	●	●												●	●
80i-110s	2	2	2	2	2	2	2	2	2	2	●	●	●	●	●	2					2	2	2
i310s																							
i410 / i410 kit	●	●	●	●	●	●	●	●	●	●			3	3	3	●	1	1	1	1	●	●	●
i1010 / i1010 kit	●	●	●	●	●	●	●	●	●	●			3	3	3	●	1	1	1	1	●	●	●
Other																							
90i-610s*	2	2	2	2	2	2	2	2	2	2	●	●	●	●	●	2					2	2	2

* For specifications of 90i-610s see page 108

1 For DC only

2 Requires PM 9081 (see page 69)

3 Requires PM 9082 (see page 69)

All accessories have a one year warranty