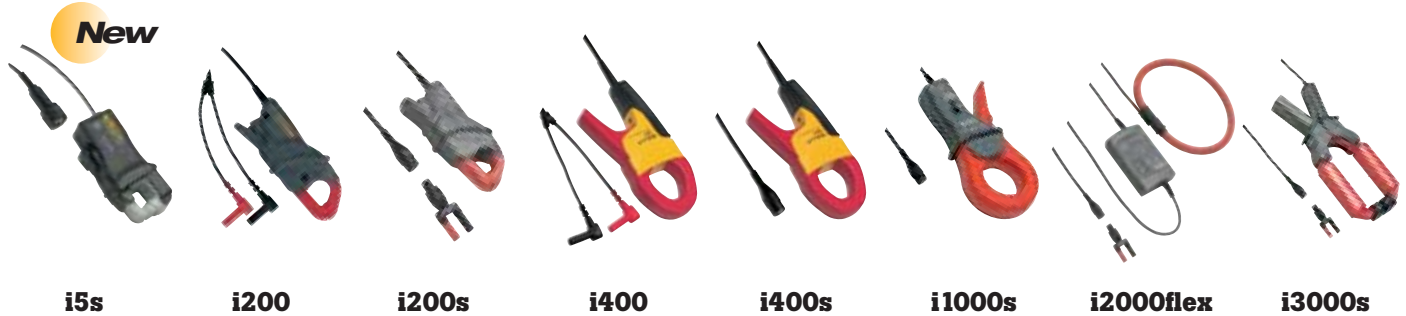


Current Clamps

AC Models



Specifications

	i5s	i200	i200s	i400	i400s	i1000s	i2000 flex	i3000s
Nominal current range(s)	5 A	200 A	20 A 200 A	400 A	40 A 400 A	10 A 100 A 1000 A	200 A 2000 A	30 A 300 A 3000 A
Continuous AC current range	0.01 A - 6 A	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	0.1 A - 10 A 0.1 A - 100 A 1 A - 1000 A	2 A - 200 A 20 A - 2000 A	1 A - 30 A 1 A - 300 A 1 A - 2400 A
Highest current	70 A	240 A	240 A	1000 A	1000 A	2000 A	4000 A	4000 A
Lowest measurable current	10 mA	0.5 A	0.5 A	1 A	0.5 A	0.1	2 A	1 A
Basic accuracy (48-65 Hz) ¹⁾	1%	1% + 0.5 A	1.5%+0.5 A	2%+0.15	2%+0.15	1%+1 A	1% F.S.	2%+ 2 A
Useable frequency	40 Hz - 5 kHz	40 Hz - 10 kHz	40 Hz - 10 kHz	45 Hz - 3 kHz	45 Hz - 3 kHz	5 Hz - 100 kHz	1 Hz - 20 kHz	10 Hz - 100 kHz
Max. working voltage	600 V AC	600 V AC	600 V AC	1000 V	1000 V	600 V AC	600 V AC	600 V AC
Maximum conductor diameter	15 mm	20 mm	20 mm	32 mm	32 mm	54 mm	160 mm	64 mm
Output level(s)	400 mV/A	1 mA/A	100 mV/A 10 mV/A	1 mA/A	10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A	10 mV/A 1 mV/A	10 mV/A 1 mV/A 0.1 mV/A
Battery, battery life							9 V, >100 h.	
Output cable (m)	2.5	1.5	2.0	1.5	2.5	1.6	2.3	2.1
Shrouded banana plugs		●		●				
BNC adapter	●		●		●	●	●	●
BNC to banana adapter included			●				●	●
Safety	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V	CAT III 1000V / CAT IV 600 V	CAT III 1000V / CAT IV 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V

¹⁾ Basic Accuracy: % reading + floorspec

Current Clamp Compatibility Chart

	12	16	110/111/112	175/177/179	187/189	27	45	73 III	77 III	78	83V/87V	88V	43B	430 Series	120 Series	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	2	
i1000s	2	2		2	2	2	2	2	2	2	2	2	●	●	●	●	2				2	2	2	
i2000flex	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	
i3000s	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	
AC/DC Models																								
80i-110s	2	2		2	2	2	2	2	2	2	2	2	●	●	●	●	2				2	2	2	
i410	●	●	1	●	●	●	●	●	●	●	●	●			3	3	●	1	1	1	●	●	●	
i1010	●	●	1	●	●	●	●	●	●	●	●	●			3	3	●	1	1	1	●	●	●	
Other																								
90i-610s*	2	2		2	2	2	2	2	2	2	2	2	●	●	●	●	2				2	2	2	
CS20MA															●	●								
700 IV																					●			

* For specifications of 90i-610s see page 79

1 For DC only

2 Requires PM 9081 (see page 61)

3 Requires PM 9082 (see page 61)

Current Clamps

AC/DC Models


80i-110s

i410

i1010

CS20MA

700-IV

Specifications

	80i-110s	i410	i1010	CS20MA	700-IV
Measurement type	Hall sensor	Hall sensor	Hall sensor	Current shunt	Current shunt
Nominal current range(s)	10 A, AC/DC 100 A, AC/DC	400 A, AC/DC	600 A, AC 1000 A, DC	4 mA – 20 mA	4 mA – 20 mA
Continuous current range	0.1 A – 10 A AC/DC 1 A – 100 A AC/DC	1 A – 400 A AC/DC	1 A – 600 A, AC 1 A – 1000 A, DC	0 mA – 20 mA	0 mA – 55 mA
Highest current	140 A – 2 kHz	400 A	1000 A	20 mA	55 mA
Lowest measurable current	0.1 A	0.5 A	0.5 A	0 mA	0 mA
Basic accuracy ¹⁾	3% + 50 mA (@ 10 A)	3.5% + 0.5 A	2% + 0.5 A	0.1%	0.025%
Useable frequency	DC – 100 kHz	DC – 3 kHz	DC – 10 kHz	DC – ≥ 10 kHz	
Zero error adjustment	●	●	●		
Max. working voltage	600 V	600 V	600 V	30 V	30 V
Maximum conductor diameter	11.8 mm	30 mm 2 x 25 mm	30 mm 2 x 25 mm		
Output level(s)	100 mV/A 10 mV/A	1 mV/A	1 mV/A	10 mV/mA	10 mV/mA
Battery, battery life	9 V, 55 h	9 V, 60 h	9 V, 60 h		
Output cable length (m)	1.6	1.6	1.6		
Shrouded banana Plugs		●	●	●	●
BNC adapter	●				
Safety	CAT II, 600 V CAT III, 300 V	CAT III, 600 V	CAT III, 600 V	30 V	30 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
- Zippered soft case with moveable divider
- Soft case is large enough to hold a meter



i2000flexPQ4 i2000flex AC Current Clamp, 4-pack

- The perfect accessory for three-phase measurement tools such as the Fluke 430 Series
- The flex clamps fit around bus bars and large or hard-to-reach conductors
- Buy 4-pack and save 25% on the price of the individual items



i5sPQ3 AC Current Clamp, 3-pack

A pack of 3 pieces of the i5s current clamps, specially configured to provide low current accuracy while taking measurements on secondary current transformers. This cost-saving 3-pack is perfect for use with 3-phase tools such as the Fluke 433 or Fluke 434.

All accessories have a one year warranty