

Power Quality Current Clamps

Fluke model number	i3000 flex ... 4PK	i400s	i430 FLEXI-TF-II-4PK	i5sPQ3	1000A 3210 PR TF iFlex	Fluke-1730 iFlexi 1500A 12 IN	Fluke-1730 iFlexi 3000A 24 IN	Fluke-1730 iFlexi 6000A 36 IN	Fluke-1730 i40s-EL Clamp-on Current Transformer
Description	4 ... phase 3000A Flexible current clamp set	Single phase 400A current clamp (4 required)	4 ... phase 3000A Flexible current clamp set	3 ... phase 5A Current clamp set	1000A Single phase flexible current clamp	1500 A Single phase flexible current clamp (3 required) IP 50	3000 A Single phase flexible current clamp (3 required) IP 50	6000 A Single phase flexible current clamp (3 required) IP 50	4/40A Current clamp (3 required)
Old Fluke model #					3210-PR	n/a	n/a	n/a	n/a
Fluke 1750					●				
Fluke 43X	●	●	●	●					
Fluke 1730						●	●	●	●
Nominal current range(s)	30 A 300 A 3000 A	40 A 400 A	3000 A	5 A		1A to 150A, 10A to 1500A	3A to 300A, 30A to 3000A	6A to 600A, 60A to 6000A	40mA to 4A, 0.4A to 40A
Cont. AC current range	1 A ... 30 A 1 A ... 300 A 1 A ... 2400 A	0.5 A ... 40 A 5 A ... 400 A	0.5 A ... 6000 A	0.01 A ... 6 A	0.5A to 1,000A	1A ... 150A 10A ... 1,500A	1A ... 300A 10A ... 3,000A	1A ... 600A 10A ... 6,000A	1A ... 150A 10A ... 1,500A
Highest current	4000 A	1000 A	100 kA	70 A	1,000A	1,500A	3,000A	6,000A	200A
Lowest measurable current	1 A	0.5 A	0.5 A	10 mA	0.5A	1A	3A	6A	0.04A
Basic accuracy (48 ... 65 Hz) ¹⁾	2% + 2 A	2% + 0.15 A	1%	1%	± 1% of reading	0,70%	0,70%	0,70%	0,50%
Usable frequency	10 Hz ... 100 kHz	5 Hz ... 10 kHz	10 Hz ... 10 kHz	40 Hz ... 5 kHz	40Hz...5kHz	40Hz...5kHz	40Hz...5kHz	40Hz...5kHz	40Hz...5kHz
Requires battery	●								
Flex head length		Clamp opening: 32 mm	61 cm	Clamp opening: 15 mm	61cm	30.5 cm	61 cm	122 cm	n/a
Output level(s)	10 mV/A 1 mV/A 0.1 mV/A	10 mV/A 1 mV/A	0.085 mV/A @50 Hz	400 mV/A	2mV/A	n/a	n/a	n/a	n/a
Output cable (m)	2,1	2,5	2,5	2,5	3	2	2	2	2
Safety rating	CAT III 600 V	CAT III 1000 V CAT IV 600 V	CAT III 1000 V CAT IV 600 V	CAT III 600 V	CATIII 1000V CAT IV 600V	CATIII 1000V CAT IV 600V	CATIII 1000V CAT IV 600V	CATIII 1000V CAT IV 600V	CATIII 1000V CAT IV 600V
Connection	4 x BNC	4 x BNC	4 x BNC	3 x BNC	one connector	one connector	one connector	one connector	one connector
BNC to banana adapters included	●	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Fluke model number	i1A/10A CLAMP PQ3	i1A/10A CLAMP PQ4	i5A/50A CLAMP PQ3	i5A/50A CLAMP PQ4	i20A/200A CLAMP PQ3	i20A/200A CLAMP PQ4	3000/6000A -TF-4-II	FS17X5-TF-II	FS17xx IP65-TF-II
Description	3 ... phase 1A/10A Mini current clamp set	4 ... phase 1A/10A Mini current clamp set	3 ... phase 5A/50A Mini current clamp set	4 ... phase 5A/50A Mini current clamp set	3 ... phase 20A/200A Mini current clamp set	4 ... phase 20A/2000A Mini current clamp set	4 Phase flexiset	4 Phase flexiset, IP41	4 Phase flexiset, IP65
Old Fluke model #	CURRENT CLAMPS 1A (EPO450A)	MBX CLAMP 1A/10A+N (EPO451A)	MBX CLAMP 5A/50A (EPO452A)	MBX CLAMP 5A/50A+N (EPO453A)	MBX CLAMP 20A/200A (EPO455A)	MBX CLAMP 20/2000A+N (EPO456A)		MBX Lem Flex (15/150/3000) (EPO404A)	MBX Lem Flex (15/150/3000) (EPO404A)
Fluke 1735	●	●	●	●	●	●	●	●	●
Fluke 174X	●	●	●	●	●	●	●	●	●
Nominal current range(s)	1 A 10 A AC	1 A 10 A AC	5 A 50 A AC	5 A 50 A AC	20 A 200 A AC	20 A 200 A AC	30A 300A 3000A 6000A AC	15A 150A 1500A 3000A AC	15A 150A 1500A 3000A AC
Cont. AC current range	10 mA ... 1 A 100 mA ... 10 A	10 mA ... 1 A 100 mA ... 10 A	50 mA ... 5 A 500 mA ... 50 A	50 mA ... 5 A 500 mA ... 50 A	200 mA ... 20 A 2 A ... 200 A	200 mA ... 20 A 2 A ... 200 A	0.8 ... 6.000 A AC	450mA ... 15A 600mA... 150A 6A... 1500A 12A... 3000A	450mA ... 15A 600mA... 150A 6A... 1500A 12A... 3000A
Highest current	20 A	20 A	100 A	100 A	300 A	300 A	0.8 A	3300 A	3300 A
Lowest measurable current	10 mA	10 mA	50 mA	50 mA	200 mA	200 mA		450 mA	450 mA
Basic accuracy (48 ... 65 Hz) ¹⁾	0,50%	0,50%	0,50%	0,50%	0,50%	0,50%		2%+2% position influence	2%+2% position influence
Usable frequency	40 Hz ... 10 kHz	40 Hz ... 10 kHz	40 Hz ... 10 kHz	40 Hz ... 10 kHz	40 Hz ... 10 kHz	40 Hz ... 10 kHz		40Hz ...5kHz	40Hz ...5kHz
Flex head length							92 cm	61 cm	61 cm
Output level(s)	75 mV/A	75 mV/A	15 mV/A	15 mV/A	3.75 mV/A	3.75 mV/A		0.1 mV/A	0.1 mV/A
Output cable (m)	2	2	2	2	2	2	4	2	2
Safety rating	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 1000 V CAT IV 600V	CAT III 1000 V CAT IV 600V	CAT III 1000 V CAT IV 600V
Connection	One connector	One connector	One connector	One connector	One connector	One connector	One connector	One connector	One connector
BNC to banana adapters included	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

¹⁾ Basic accuracy: % reading plus floorspec.
n/a = not applicable