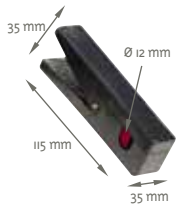
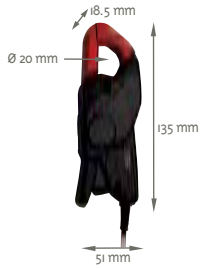
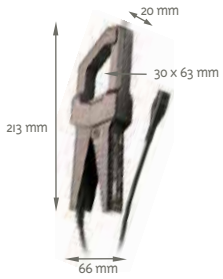
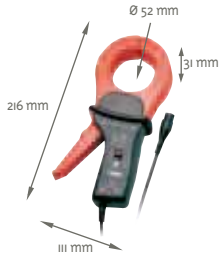
MERaTEST
Meracie a testovacie prístroje

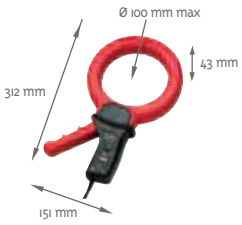
AC current measurement

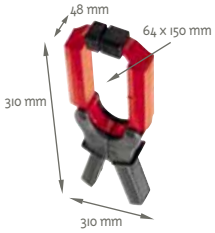












Series	Model	Input: Measurement range (1) — Very low current	Low current	Medium current	Hot current	~ AC	⎓ DC	Output / Connections: Current	Voltage	Leads + safety plug ø 4 mm(2)	Female sockets ø 4 mm	BNC connector (oscilloscope)	Specific features: Transformation ratio (input/output)	Output protected against overvoltage	Automatic DC zero	Power measurement (low phase shift)	Bandwith (frequency in Hz)	Typical accuracy	To Order
	Miniclamp 1	1 mA to 10 A 1 A to 100 A				●			10 V AC 0.1 V AC	●			1 mA/1 mV 1 A/1 mV				45 Hz..500 Hz	≤ 3 % ≤ 2 %	> P01.1050.01
	Miniclamp 2		1 A to 150 A			●			15 V DC (2)		●		1 A/100 mV				50 Hz..400 Hz	≤ 3%	> P01.1050.02
	Miniclamp 3		0.5 to 150 A			●		0.3 A AC			●		500/1				45 Hz..450 Hz	≤ 4%	> P01.1050.03
	Miniclamp 4		2 to 150 A			●		0.15 A AC			●		1000/1				45 Hz..1 kHz	≤ 2,5%	> P01.1050.04
	Miniclamp 5	50 mA to 100 A				●		0.1 A AC			●		1000/1			●	45 Hz..10 kHz	≤ 1%	> P01.1050.05
	MN08		0.5 to 240 A			●		0.2 A AC			●		1000/1				40 Hz..10 kHz	≤ 1%	> P01.1204.01
	MN09		0.5 to 240 A			●		0.2 A AC		●			1000/1				40 Hz..10 kHz	≤ 1%	> P01.1204.02
	MN010		0.5 to 240 A			●		0.2 A AC			●		1000/1	●			40 Hz..10 kHz	≤ 2%	> P01.1204.03
	MN011		0.5 to 240 A			●		0.2 A AC		●			1000/1	●			40 Hz..10 kHz	≤ 2%	> P01.1204.04
	MN012		0.5 to 240 A			●			2 V AC		●		1 A/10 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.05
	MN013		0.5 to 240 A			●			2 V AC	●			1 A/10 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.06
	MN014		0.5 to 240 A			●			0.2 V AC		●		1 A/1 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.16
	MN015		0.5 to 240 A			●			0.2 V AC	●			1 A/1 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.17
	MN021		0.1 to 240 A			●		0.2 A AC		●			1000/1	●			40 Hz..10 kHz	≤ 2%	> P01.1204.18
	MN023		0.1 to 240 A			●			2 V AC	●			1 A/10 mV				40 Hz..10 kHz	≤ 1.5%	> P01.1204.19
	MN038		0.1 to 24 A 0.5 to 240 A			●			2 V AC 2 V AC		●		1 A/100 mV 1 A/10 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.07
	MN039		0.1 to 24 A 0.5 to 240 A			●			2 V AC 2 V AC	●			1 A/100 mV 1 A/10 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.08
	MN060		0.1 to 60 A peak 0.5 to 600 A peak			●			2 V AC 2 V AC			●	1 A/100 mV 1 A/10 mV				40 Hz..40 kHz	≤ 2% ≤ 1.5%	> P01.1204.09
	MN071	10 mA to 12 A				●			1 V AC	●			1 A/100 mV				40 Hz..10 kHz	≤ 1%	> P01.1204.20
	MN073	10 mA to 2.4 A 100 mA to 240 A				●			2 V AC 2 V AC	●			1 mA/1 mV 1 A/10 mV				40 Hz..10 kHz	≤ 1% ≤ 2%	> P01.1204.21
	MN088		0.5 to 240 A			●			20 V DC (2)		●		1 A/100 mV				40 Hz..10 kHz	≤ 2%	> P01.1204.10
	MN089		0.5 to 240 A			●			20 V DC (2)	●			1 A/100 mV				40 Hz..10 kHz	≤ 2%	> P01.1204.15
	Y1N		4 A to 600 A			●		0.5 A AC		●			1000/1	●			48 Hz..1 kHz	≤ 3%	> P01.1200.01A
	Y2N		4 A to 600 A			●		0.5 A AC		●			1000/1	●			48 Hz..1 kHz	≤ 1%	> P01.1200.28A
	Y3N		4 A to 600 A			●		5 A AC		●			100/1				48 Hz..1 kHz	≤ 3%	> P01.1200.29A
	Y4N		4 A to 600 A			●			0.5 V DC (2)	●			500 A/ 0.5 V				48 Hz..1 kHz	≤ 1%	> P01.1200.05A
	Y7N		1 A to 1200 A peak			●			1 V AC			●	1 A/1 mV				5 Hz..10 kHz	≤ 2%	> P01.1200.75
	C100		0.1 to 1200 A			●		1 A AC			●		1000/1				30 Hz..10 kHz	≤ 0.5%	> P01.1203.01
	C102		0.1 to 1200 A			●		1 A AC			●		1000/1	●			30 Hz..10 kHz	≤ 0.5%	> P01.1203.02
	C103		0.1 to 1200 A			●		1 A AC		●			1000/1	●			30 Hz..10 kHz	≤ 0.5%	> P01.1203.03
	C106		0.1 to 1200 A			●			1 V AC		●		1 A/1 mV				30 Hz..10 kHz	≤ 0.5%	> P01.1203.04
	C107		0.1 to 1200 A			●			1 V AC	●			1 A/1 mV				30 Hz..10 kHz	≤ 0.5%	> P01.1203.05
	C112		1 mA to 1200 A			●		1 A AC			●		1000/1	●		●	30 Hz..10 kHz	≤ 0.3%	> P01.1203.14
	C113		1 mA to 1200 A			●		1 A AC		●			1000/1	●		●	30 Hz..10 kHz	≤ 0.3%	> P01.1203.15
	C116		1 mA to 1200 A			●			1 V AC		●		1 A/1 mV			●	30 Hz..10 kHz	≤ 0.3%	> P01.1203.16
	C117		1 mA to 1200 A			●			1 V AC	●			1 A/1 mV			●	30 Hz..10 kHz	≤ 0.3%	> P01.1203.17
	C122		1 to 1200 A			●		5 A AC			●		1000/5	●			30 Hz..10 kHz	≤ 1%	> P01.1203.06
	C148		1 to 300 A 1 to 600 A 1 to 1200 A			●		5 A AC			●		250/5 500/5 1000/5	●			48 Hz..1 kHz	≤ 2% ≤ 1% ≤ 1%	> P01.1203.07
	C160		0.1 to 30 A peak 0.1 to 300 A peak 1 to 2000 A peak			●			3 V peak 3 V peak 2 V peak			●	10 A/1 V 100 A/1 V 1000 A/1 V				10 Hz..100 kHz	≤ 3% ≤ 2% ≤ 1%	> P01.1203.08
	C173		1 mA to 1.2 A 0.01 to 12 A 0.1 to 120 A 1 to 1200 A			●			1 V AC	●			1 A/1 V 10 A/1 V 100 A/1V 1000 A/1 V				10 Hz..3 kHz	≤ 0.7% ≤ 0.5% ≤ 0.3% ≤ 0.2%	> P01.1203.09
	B102		500 µA to 4 A 0,5 to 400 A			●			4 V AC 0.4 V AC	●			1 mA/1 mV 1 A/1 mV	●			10 Hz..1 kHz	≤ 0,5% ≤0,35%	> P01.1200.83
	D30N			1 A to 3600 A		●		1 A AC			●		3000/1	●		●	30 Hz..5 kHz	≤ 0.5%	> P01.1200.49A
	D30CN			1 A to 3600 A		●		1 A AC		●			3000/1	●		●	30 Hz..5 kHz	≤ 0.5%	> P01.1200.64
	D31N			1 to 600 A 1 to 1200 A 1 to 1800 A		●		1 A AC			●		500/1 1000/1 1500/1	●			30 Hz..1.5 kHz	≤ 3% ≤ 1% ≤ 0.5%	> P01.1200.50A
	D32N			1 to 1200 A 1 to 2400 A 1 to 3600 A		●		1 A AC			●		1000/1 2000/1 3000/1	●		●	30 Hz..1 kHz	≤ 1% ≤ 0.5% ≤ 0.5%	> P01.1200.51A
	D33N			1 to 3600 A		●		5 A AC			●		3000/5				30 Hz..5 kHz	≤ 1%	> P01.1200.52A
	D34N			1 to 600 A 1 to 1200 A 1 to 1800 A		●		5 A AC			●		500/5 1000/5 1500/5				30 Hz..1.5 kHz	≤ 3% ≤ 1% ≤ 0.5%	> P01.1200.53A
	D35N			1 to 1200 A 1 to 2400 A 1 to 3600 A		●		5 A AC			●		1000/5 2000/5 3000/5			●	30 Hz..1.5 kHz	≤ 1% ≤ 0.5% ≤ 0.5%	> P01.1200.54A
	D36N			1 to 3600 A		●		3 A AC			●		3000/3	●		●	30 Hz..5 kHz	≤ 0.5%	> P01.1200.55A
	D37N		0.1 to 36 A RMS 1 to 360 A RMS 1 to 3600 A RMS			●			3 V AC		●		30 A/3 V 300 A/3 V 3000 A/3 V				30 Hz..5 kHz	≤ 2%	> P01.1200.56A
	D38N		1 to 90 A peak 1 to 900 A peak 1 to 9000 A peak			●			1 V AC			●	1 A/10 mV 1 A/1 mV 1 A/0,1 mV				30 Hz..50 kHz	≤ 2%	> P01.1200.57A

(1) The higher value corresponds to 120% of the max. nominal value (2) Reshaping of AC signal by diodes.