

Technical specification

Function

AC Voltage inputs

Number of inputs	4
Input voltage range	5 ... 1500 Vrms L - N (20 ... 2600 Vrms L - L)
Basic accuracy	0.2% of reading
Resolution	10 mV, 100 mV
Sampling rate	1024 samples per 10 periods
Frequency range	10 ... 70 Hz

AC Current inputs

Number of inputs	4
Input voltage range	20.0 mVrms ... 2 Vrms
Current measuring range	3 ... 6000 A (for current clamp A 1227)
Resolution	0.1 mV (0.1 A for current clamp A 1227)
Basic accuracy	0.25% of reading
Sampling rate	1024 samples per 10 periods

Function	Measuring range	Resolution	Accuracy
Frequency	10.00 ... 70.00 Hz	2 mHz	±10 mHz
Power (W, VA, VAR)	0.000 k ... 9.999 M	4 digits	±0.5 % of reading
Power factor	-1.00 ... 1.00	0.01	±0.02
cos φ	0.00 ... 1.00	0.01	±0.02
Harmonics analysis up 50 th component	$U_{hN} < 3\% U_{nom}$	10 mV	0.15 % U_{hN}
	$3\% U_{nom} < U_{hN} < 20\% U_{nom}$	10 mV	5 % U_{hN}
	$I_{hN} < 10\% I_N$	10 mV	0.15 % I_N
	$10\% I_N < I_{hN} < 100\% I_N$	10 mV	5 % I_{hN}
	$0\% U_{nom} < THD_U < 20\% U_{nom}$	0.1%	±0.3
THD	$0\% I_N < THD_I < 100\% I_N$	0.1%	±0.6
	$100\% I_N < THD_I < 200\% I_N$	0.1%	±1.5

Voltage dips and swells evaluation

Magnitude	20 ... 1500 V	10 mV, 100 mV	0.5% of reading
Duration	30 ms ... 7 days	1 ms	±20 ms

Recording

Integration period (IP)	1 ... 3600 s
Maximum number of signals	509
Communication ports	RS 232, USB
Display	Graphic LCD with backlight, 320 x 200 dots
Memory module	8 MB Flash
Voltage supply	230 VAC or 6 x 1.2 V NiMH rechargeable batteries, size AA
Over voltage category	1000 V / CAT III; 600 V / CAT IV
Protection class	double insulation
Dimensions	220 x 115 x 90 mm
Weight	0.65 kg

Ordering information:

Standard set

Part No. MI 2592



- Instrument PowerQ4
- 1-phase flexible current clamps 3000 / 300 / 30 A (A 1227), 4 pcs
- Test probe, red, 3 pcs
- Test probe, black, 1 pcs
- Crocodile clip, black, 1 pcs
- Crocodile clip, red, 3 pcs
- Voltage measurement lead, red, 3 pcs
- Voltage measurement lead, black, 1 pcs
- Voltage measurement lead, green, 1 pcs
- PC SW PowerView
- RS232 and USB cables
- Power supply adapter
- 1.2 V NiMH rechargeable battery, 6 pcs
- Soft carrying bag
- Instruction manual

Optional accessories:

Photo	Order No.	Acc. description
	A 1020	Small soft carrying bag
	A 1033	Current clamp 1000 A / 1 V
	A 1037	Current transformer 5 A / 1 V
	A 1039	Connection cable for current clamp
	A 1069	Mini current clamp 100 A / 1 V
	A 1122	Mini current clamp 5 A / 1 V
	A 1179	3-phase flexible current clamp 2000/200/20 A / 1 V
	A 1257	3-phase flexible current clamp 3000/300/30 A / 1 V
	S 2014	Safety fuse adapter, 3 pcs
	S 2015	Safety flat clamp, 4 pcs

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