

**AC Voltage inputs**

Number of inputs	3
Input voltage range	3.0 ... 550.0 Vrms L - N (952.0 Vrms L - L)
Basic accuracy	$\pm (1 \% \text{ of reading} + 0.5 \text{ V})$
Resolution	0.1 V
Sampling rate	1024 samples per 10 periods

**AC Current inputs**

Number of inputs	3
Input voltage range	0.04 ... 1 Vrms
Current measuring range	4 ... 100 A and 40 ... 1000 A (with current clamp A 1033)
Resolution	0.1 A
Basic accuracy	$\pm (2 \% \text{ of reading} + 0.3 \text{ A})$
Sampling rate	1024 samples per 10 periods

Function	Measuring range	Resolution	Accuracy
Frequency	45.00 ... 66.00 Hz	10 mHz	$\pm (0.5 \% \text{ of reading} + 0.02 \text{ Hz})$
	0.000 ... 0.999 k	1	
	0.00 ... 9.99 k	10	
	0.0 ... 999.9 k	100	
Power (W, VA, VAR)	0.000 ... 9.999 M	1 k	$\pm (3 \% \text{ of reading} + 3 \text{ digits})$
	0.00 ... 99.99 M	10 k	
	0.0 ... 999.9 M	100 k	
	0.000 ... 9.999 G	1 M	
	0.00 ... 40.00 G	10 M	
Power factor, $\cos \varphi$	0.00 ... 0.39	0.01	$\pm 0.06$
	0.40 ... 1.00	0.01	$\pm 0.03$
Harmonics analysis up to 50 <sup>th</sup> component	$U_M > 3 \% U_N$ ( $I_M > 3 \% I_N$ )	0.1 %	5 % $U_M$ ( $I_M$ ) (3 % for DC)
	$U_M < 3 \% U_N$ ( $I_M < 3 \% I_N$ )	0.1 %	0.15 % $U_N$ ( $I_N$ )

**Recording**

Integration period (IP)	1 ... 3600 s
Maximum number of signals	500
COM port	RS232 and USB
Display	Graphic LCD with backlight, 320 x 200 dots
Memory module	8 MB Flash
Voltage supply	230 V <sub>AC</sub> or 6 x 1.2 V NiMH rechargeable batteries, type AA
Overvoltage category	CAT IV / 600 V
Protection class	Double insulation
Dimensions	220 x 115 x 90 mm
Weight	0.65 kg