



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is gives as [% readings + number of digits] at 23°C ± 5°C ; <80%HR

### AC TRMS Current

Range	Resolution	Accuracy (50 ÷ 60Hz)	Accuracy (61 ÷ 400Hz)	Overload protection
6.000mA (*)	0.001mA	±(1.0%rdg + 8dgt)	±(2.0%rdg + 11dgt)	120Arms 600Vrms
60.00mA	0.01mA			
600.0mA	0.1mA			
6.000A	0.001A			
60.00A	0.01A	0 ÷ 50A ± (1.0% rdg+8dgt)	0 ÷ 40A ± (2.0%rdg+9dgt)	
100.0A	0.1A	50 ÷ 60A ± (5.0% rdg+6dgt)	40 ÷ 100A ± (30%rdg+9dgt)	
		60 ÷ 100A ± (8.0% rdg+6dgt)		

(\*) With this capacity there may be an instability of 3 digits in readings

Frequency range: 50 ÷ 400Hz

Error due of position cable not in center of jaws: ±1%rdg

Error due to the influence of an external magnetic field of an adjacent conductor: 0.0005% (typical value)

Response time PEAK HOLD feature: 50ms

#### Additional error due to the Crest Factor (CF) of non-sinusoidal signals:

C.F: 1.0 ÷ 2.0 → Add 6.0%rdg

C.F: 2.0 ÷ 2.5 → Add 7.0%rdg

C.F: 2.5 ÷ 3.0 → Add 9.0%rdg

#### Max. Crest Factor:

1.6 with 6600 ~ 5000 digits

2.0 with 5000 ~ 3000 digits

3.0 with 3000 ~ 0 digits

### AC TRMS Current with internal low pass filter

Range	Resolution	Accuracy (50 ÷ 60Hz)	Accuracy (61 ÷ 400Hz)	Overload protection	
6.000mA (*)	0.001mA	± (2% rdg+8dgt)	not specified	120Arms 600Vrms	
60.00mA	0.01mA				
600.0mA	0.1mA				
6.000A	0.001A				
60.00A	0.01A	0 ÷ 50A ± (2.0%rdg+8dgt)			
100.0A	0.1A	50 ÷ 60A ± (6.0%rdg+8dgt)			
		60 ÷ 100A ± (9.0%rdg+8dgt)			

(\*) With this capacity there may be an instability of 3 digits in readings

Characteristic attenuation: approx. -24dB/oct

Cutting frequency: approx. 100Hz



## 2. GENERAL SPECIFICATIONS

### Features

Block of readings at display:	Data HOLD
Automatic block of readings at display:	Auto HOLD (for continuous digit oscillation)
Block of peak readings:	Peak HOLD
Low pass filter:	100Hz to erase harmonic components
Comparator with sound emission:	0.25, 0.75, 3.25mA thresholds compliance to IEC60950-1
Backlight:	automatic detectable sensor

### Mechanical specifications

Dimensions (L x W x H):	200 x 70 x 40mm
Weight (including batteries):	265g
Max conductor size:	40mm

### Power supply

Power supply:	2x1.5V batteries type AAA LR03
Life battery:	about 60 hours of continuous operation
Auto Power OFF:	after 20 minutes of idleness

### Display

Features:	LCD, 4 dgt, 6000 points, bargraph, backlight and decimal point
Sampling rate:	4 times/s
Over range indication:	"OL" message at display
Conversion mode:	TRMS

### Climatic conditions

Reference temperature:	23° ± 5°C
Operating temperature:	0 ÷ 50 °C
Operating humidity:	<80%RH
Storage temperature:	-20 ÷ 60 °C
Storage humidity:	<80%RH

### Reference standards

Comply with:	IEC/EN61010-1
Insulation:	double insulation
Pollution level:	2
Max height of use:	2000m
Installation category:	CAT III 300V

**This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC**