



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as [% rdg + dgt]. It is referred to the following reference conditions: 23°C ± 5°C with RH < 80%.

DC Voltage

Range	Resolution	Accuracy	Input impedance	Overload protection
0 – 400.0V	0.1V	±(0.7% rdg + 2 dgt)	1MΩ, <100pF	600V DC/AC
400 – 600V	1V			

AC Voltage TRMS

Range	Resolution	Accuracy	Input impedance	Frequency range	Overload protection
0 – 400.0V	0.1V	±(1.0% rdg + 5 dgt)	1MΩ <100pF	50 – 500Hz	600V DC/AC
400 – 600V	1V				

For non-sine wave measuring add to accuracy the following Crest Factor corrections: ± 1.0% for CF between 1.4 and 2.0, ± 2.5% for CF between 2.0 and 2.5, ± 4.0% for CF between 2.5 and 3.0.

Maximum CF: 3@400A, 400V; 2@600A, 600V

Resistance

Range	Resolution	Accuracy	Buzzer	Overload protection
0 – 400.0Ω	0.1Ω	±(1.0% rdg + 3 dgt)	≤ 30Ω	600Vrms AC

Max open voltage: 3V

AC Current TRMS

Range	Resolution	Accuracy	Frequency range	Overload protection
0 – 60.0A	0.1A	±(1.9% rdg + 7 dgt)	50 - 60Hz	600Arms
60,0 – 400,0		±(1.9% rdg + 5 dgt)		
400 – 600A	1A	±(2.5% rdg + 5 dgt)	61 - 400Hz	
0 – 60.0A	0.1A	±(2.5% rdg + 7 dgt)		
60,0 – 400,0		±(2.5% rdg + 5 dgt)		
400 – 600A	1A	±(2.9% rdg + 5 dgt)		

Readings over 80% of 400,0 A full scale: add ± 1.6% to accuracy.

For non-sine wave measuring add to accuracy the following Crest Factor corrections: ± 1.0% for CF between 1.4 and 2.0, ± 2.5% for CF between 2.0 and 2.5, ± 4.0% for CF between 2.5 and 3.0.

Maximum CF: 3@400A, 400V; 2@600A, 600V

Position error: ± 1.0%.

DC Current

Range	Resolution	Accuracy	Overload protection
0 – 60.0A	0.1A	±(1.5% rdg + 5 dgt)	600Arms
60,0 – 400,0		±(1.9% rdg + 5 dgt)	
400 – 600A	1A	±(1.9% rdg + 10 dgt)	

Position error: ± 1.0%.

Frequency (from clamp jaws)

Range	Resolution	Accuracy	Input	Overload protection
20 – 400Hz	1Hz	±(0.1% rdg + 2 dgt)	3 – 600A	600Arms AC



Special Functions

Analog Bargraph
Continuity Beeper
Data Hold
Peak Hold (10ms)
Min Max Function
Auto Power off
DCA Zeroing Key

2. GENERAL SPECIFICATIONS

Safety


Comply with:	EN 61010-1
Insulation:	Class 2, Double insulation
Pollution:	Level 2
For inside use, max height:	2000m
Installation category:	CAT III 600V between inputs, CAT III 600V to the ground

General data

Mechanical characteristics

Size:	235(L) x 78(La) x 51(H)mm
Weight (including battery):	about 380g
Jaws opening:	45mm
Max conductor size:	35mm

Supply

Battery type:	1 battery 9V NEDA 1604 IEC 6F22 JIS 006P.
Low battery indication:	"  " is displayed when the battery level is too low.
Battery life:	about 300 hours.

Display

Characteristics:	3 3/4 dgt with maximum reading 4000 units plus decimal point, unit symbol indication, bargraph and backlight.
Sample rate:	1,5 times/sec.
Conversion mode:	TRMS.

ENVIRONMENTAL CONDITIONS

Climatic conditions

Reference temperature:	23° ± 5°C
Operating temperature:	0 ÷ 40 °C
Operating humidity:	< 75% RH
Storage temperature:	-20 ÷ 60 °C
Storage humidity:	< 80% RH
Temperature coefficient:	0.2 x Specified accuracy /°C, <18°C, >28°C

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