



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as [% rdg + dgt]. It is referred to the following reference conditions: 23°C ± 5°C with RH < 75%.

DC Voltage

Range	Resolution	Accuracy	Input impedance	Overload protection
0 – 400.0V	0.1V	±(0.7% rdg + 2 dgt)	1MΩ, <100pF	1000V DC 750Vrms AC
400 - 1000V	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	1000V DC 750Vrms AC
400 - 750V	1V				

Readings less than 15% of full scale: add ± 4 dgt 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.

Max CF at full scale (600V): 2

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
60.1 – 400.0A	0.1A	±(1.9% rdg + 5 dgt)		
400 – 1000A	1A			
0 – 400.0A	0.1A	±(2.5% rdg + 7 dgt)	61 - 400Hz	
400 – 1000A	1A			

Readings less than 15% of full scale: add ± 4 dgt 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.

Position error: ± 1.0%.

Max allowed CF: 2 for 600A, 1.5 for 1000A

Frequency (from clamp jaw)

Range	Resolution	Accuracy	Input	Overload protection
20 - 400Hz	1Hz	±(0.1% rdg + 2 dgt)	>3 A	1000Arms AC



Special Functions

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

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 IV 600V, CAT III 1000V between inputs, CAT IV 600V, CAT III 1000V to the ground

General data

Mechanical characteristics

Size:	275(L) x 90(La) x 51(H)mm
Weight (including battery):	about 420g
Jaws opening:	53mm
Max conductor size:	51mm

Supply

Battery type:	1 battery 9V NEDA 1604 IEC 6F22 JIS 006P.
Low battery indication:	"  "
Battery life:	about 200 hours.
AutoPowerOff:	About 30 minutes after power-on

Display

Characteristics:	3 3/4 dgt (max 4000 counts), 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