

1. REFERENCE CONDITIONS

Parameter	Reference condition
Environmental temperature	20°C ± 3°C
Relative humidity	50%RH ± 10%
Battery voltage	6V ± 0.5V
External magnetic field	<40A/m
External electric field	<1V/m
Clamp positioning	Horizontal
Position of the conductor in the clamp	Centred
Closeness to metal masses	> 10cm
Loop resistances	None
Measured sinusoidal current frequency	50Hz
Distortion percentage	<0.5%
Disturbance current in resistance measurement	None

2. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as [%reading + values]. It is referred to reference conditions

Resistance

Range [Ω]	Resolution [Ω]	Accuracy
0.001 ÷ 0.499	0.001	±(2.0%rdg + 0.02Ω)
0.500 ÷ 1.999		±(2.0%rdg + 0.05Ω)
2.00 ÷ 19.99	0.01	±(2.0%rdg + 0.1Ω)
20.0 ÷ 149.9	0.1	±(5.0%rdg + 1.0Ω)
150.0 ÷ 349.9		±(5.0%rdg + 5.0Ω)
350.0 ÷ 499.9		±(10.0%rdg + 5.0Ω)
500 ÷ 599		±(15.0%rdg + 10Ω)
600 ÷ 799	1	±(25.0%rdg + 20Ω)
800 ÷ 1200		

If measured resistance is ≥1200Ω, the display shows "OL"; Resistance measuring frequency: >1kHz

Measuring range of resistance alarm threshold setting: 1Ω ÷199Ω

AC Current (TRMS)

Range [A]	Resolution [A]	Accuracy
0.0mA ÷ 99.9mA	0.1mA	±(2.5%lrdg + 1mA)
100.0mA ÷ 399.9mA		±(2.5%rdg + 5mA)
400mA ÷ 999mA	1mA	±(2.5%rdg + 25mA)
1.000A ÷ 2.999A	0.001A	±(2.5%rdg + 0.025A)
3.00A ÷ 9.99A	0.01A	±(2.5%rdg + 0.05A)
10.00A ÷ 20.00A		±(2.5%rdg + 0.15A)

Mains frequency: 50/60Hz (sine, square, triangle); Max bandwidth: 400Hz (sinusoidal); Crest factor: ≤2.0




3. GENERAL SPECIFICATIONS

Mechanical specifications

Dimensions (L x W x H):	293 x 105 x 54mm (12 x 4 x 3in)
Weight (including battery):	1120g (47 ounces)
Max conductor size:	31mm (1in)
Max bar size:	48 x 31mm (2 x 1in)
Mechanical protection:	IP20

Mains supply

Battery type:	4 x 1.5V alkaline LR6 AA MN1500
Low battery indication:	"  " is displayed when the battery level is too low
Battery life:	50 hours (backlight OFF); 40 hours (backlight ON)
Internal consumption:	<65mA
Auto power OFF:	about 5 minutes of idleness

Display

Characteristics:	4 LCD, sign and decimal point with backlight
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Internal memory

Memory capacity:	99 locations
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Climatic conditions

Reference temperature:	20°C ± 3°C ; (68°F ± 37°F)
Operating temperature:	0°C ÷ 40°C ; (32°F ÷ 104°F)
Operating humidity:	10%RH ÷ 90%RH
Max height of use:	2000m ; (6562ft)

Reference guideline

Safety:	IEC/EN 61010-1, IEC/EN61010-2-032
EMC:	IEC/EN61326-1
Earth resistance:	IEC/EN61557-5, IEC60364-6 Appendix C.3
Leakage current :	IEC/EN61557-13
Insulation:	double insulation
Pollution degree:	2
Installation category:	CAT IV 300V, CAT III 600V to earth, Max. 20A

This instrument satisfies the requirements of Low Voltage Directive 2014/35/EU (LVD) and EMC Directive 2014/30/EU.
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU (WEEE)

