



# T2100

Rel. 1.00 of 16/09/13

Clamp meter for earth probe resistance with RS-232 port

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## 1. REFERENCE CONDITIONS

Parameter	Reference condition
Environment temperature	20°C ± 3°C
Relative humidity	50%RH ± 10%
Battery voltage	6V ± 0.5V
External magnetic field	<30A/m
External electrical field	<1V/m
Clamp positioning	Horizontal
Position of conductor inside the jaws	Centred
Proximity to metal masses	> 10cm

## 2. ELECTRICAL SPECIFICATIONS

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

### Resistance

Range [Ω]	Resolution [Ω]	Accuracy
0.010 ÷ 0.099	0.001	±(1%rdg + 0.01Ω)
0.10 ÷ 0.99	0.01	
1.0 ÷ 49.9	0.1	±(1.5%rdg + 0.1Ω)
50.0 ÷ 99.5	0.5	±(2.0%rdg + 0.5Ω)
100 ÷ 199	1	±(3%rdg + 1Ω)
200 ÷ 395	5	±(6%rdg + 5Ω)
400 ÷ 590	10	±(10%rdg + 10Ω)
600 ÷ 1000	20	±(20%rdg + 20Ω)

Frequency range of resistance measurement: >1kHz;


Measuring range for setting resistance alarm: 1Ω ÷ 999Ω

### 3. GENERAL SPECIFICATIONS

#### Mechanical characteristics

Dimensions (L x W x H):	293 x 90 x 66mm
Weight (including battery):	1320g
Max conductor size:	32mm

#### Supply

Battery type:	4 x1.5V alkaline LR6 AA MN1500
Low battery indication:	"  +" is displayed when the battery level is too low.
Auto power OFF:	about 5 minutes of idleness

#### Display

Characteristics:	4 LCD, sign and decimal point with backlight
Sample rate:	1 times/sec

#### Internal memory

Memory capacity:	99 locations
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#### Serial communication

RS-232 interface:	Half-duplex, baud rate 4800 baud
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#### Climatic conditions

Reference temperature:	20°C ± 3°C
Operating temperature:	0 ÷ 40°C
Operating humidity:	10%RH ÷ 90%RH

#### Reference standards

Comply with:	IEC/EN 61010-1, IEC/EN61010-2-032
Insulation:	double insulation
Pollution degree:	2
Max height of use:	2000m
Installation category:	CAT III 150V to ground, max 20A

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