

1. ELECTRICAL SPECIFICATIONS

Accuracy indicated as $\pm[\%rdg + (\text{num. dgt} * \text{resolution})]$ referred to: 23°C \pm 5°C, <80%RH

DC Voltage (Aurorange)

Range	Resolution	Accuracy	Input impedance	Overload protection
50.00V	0.01V	$\pm(1.0\%rdg + 2dgt)$	1M Ω	300VDC/ACrms
300.0V	0.1V			

AC TRMS Voltage (Aurorange)

Range	Resolution	Accuracy	Bandwidth	Input impedance	Overload protection
50.00V	0.01V	$\pm(1.2\%rdg + 5dgt)$	40Hz \div 1kHz	1M Ω	300VDC/ACrms
300.0V	0.1V				

DC Current (Aurorange)

Range	Resolution	Accuracy	Overload protection
300.0mA	0.1mA	$\pm(1.0\%rdg + 10dgt)$	10ADC
3.000A	0.001A		
10.00A	0.01A	$\pm(3.0\%rdg + 10dgt)$	

Influence of external magnetic field: < \pm 1.0mA ; Influence of open/close jaws: < \pm 1.0mA

AC TRMS Current (Aurorange)

Range	Resolution	Accuracy	Bandwidth	Overload protection
300.0mA	0.1mA	$\pm(1.0\%rdg + 5dgt)$	50Hz \div 60Hz	20Arms
3.000A	0.001A			
20.00A	0.01A			

Resistance and Continuity test

Range	Resolution	Accuracy	Buzzer	Overload protection
500.0 Ω	0.1 Ω	$\pm(1.0\%rdg + 2dgt)$	<100 Ω	300VDC/ACrms
5.000k Ω	0.001k Ω			
50.00k Ω	0.01k Ω			
500.0k Ω	0.1k Ω			



2. GENERAL SPECIFICATIONS

Functions

- Data HOLD
- MIN/MAX function
- Auto Power OFF
- Relative measure (ZERO)
- Backlight

Reference guidelines


Safety:	IEC/EN61010-1
EMC:	IEC/EN61326-1
Insulation:	double insulation
Pollution degree:	2
Max altitude:	2000m
Measurement category:	CAT IV 300V

General

Mechanical characteristics

Dimensions (L x W x H):	206 x 76 x 34mm
Weight (including batteries):	approx. 262g
Max jaws open:	23mm
Max diameter cable:	23mm
Mechanical protection:	IP20

Supply

Battery type:	2x1.5V battery type AAA IEC LR03.
Low battery indication:	"  +" symbol is displayed
Battery life (without backlight):	approx.15hours (DC Current) approx.60hours (AC Current and Voltage) approx.100hours (DC Voltage and Resistance)
Auto Power OFF:	after 30 minutes of idleness

Display

Characteristics:	4 LCD, 5000 counts, decimal point and backlight
Sample rate:	2 times/sec.
Conversion mode:	TRMS

ENVIRONMENTAL CONDITIONS

Climatic conditions

Reference temperature:	23°C ± 5°C
Operating temperature:	0°C ÷ 40°C
Operating humidity:	<80%RH
Storage temperature:	-10°C ÷ 60°C
Storage humidity:	<80%RH

This instrument satisfies the requirements of Low Voltage Directive 2014/35/EU (LVD) and of EMC Directive 2014/35/EU

This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU (WEEE)

