



## 1. ELECTRICAL SPECIFICATIONS

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

### DC Voltage (Aurorange)

Range	Resolution	Accuracy	Input impedance	Overload protection
50.00V	0.01V	$\pm(1.0\%rdg + 2dgt)$	1M $\Omega$	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 $\Omega$	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: <  $\pm 1.0\text{mA}$  ; Influence of open/close jaws: <  $\pm 1.0\text{mA}$

### 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 $\Omega$	0.1 $\Omega$	$\pm(1.0\%rdg + 2dgt)$	<100 $\Omega$	300VDC/ACrms
5.000k $\Omega$	0.001k $\Omega$			
50.00k $\Omega$	0.01k $\Omega$			
500.0k $\Omega$	0.1k $\Omega$			



## 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)**