Metrix+™
Innovative Excellence

DIGITAL MULTIMETER

31TRMS

Economic True RMS Auto-ranging

Features

- True RMS and auto ranging.
- Backlight and flashlight
- Data hold and auto power off
- Low battery indication
- NCV



Technical Specifications

Model	*Metrix+* 31TRMS		
DC Voltage	**Range**	**Resolution**	**Accuracy**
	200mV	0.1mV	±(0.5% + 5)
	2V	1mV	
	20V	10mV	
	200V	100mV	
	600V	1V	
AC Voltage (True RMS)	**Range**	**Resolution**	**Accuracy**
	2V	1mV	±(1.2% + 5)
	20V	10mV	
	200V	100mV	
	600V	1V	
DC Current	**Range**	**Resolution**	**Accuracy**
	200uA	0.1uA	±(1% + 5)
	2mA	1uA	
	20mA	10uA	±(1.5% + 5)
	200mA	100uA	

	2A	1mA	±(2% + 5)
	10A	10mA	
AC Current (True RMS)	**Range**	**Resolution**	**Accuracy**
	200uA	0.1uA	±(1% + 5)
	2mA	1uA	
	20mA	10uA	±(1.8% + 5)
	200mA	100uA	
	2A	1mA	±(3% + 5)
	10A	10mA	
Resistance	**Range**	**Resolution**	**Accuracy**
	200Ω	0.1Ω	±(0.8% + 5)
	2KΩ	1Ω	±(0.8% + 5)
	20KΩ	10Ω	
	200KΩ	100Ω	
	2MΩ	1KΩ	
	20MΩ	10KΩ	±(2% + 5)
Capacitance	**Range**	**Resolution**	**Accuracy**
	20nF	10pF	+(3% + 10)
	200nF	100pF	
	2uF	1nF	
	20uF	10nF	
	200uF	100nF	
	2mF	1uF	±(5% + 15)
Temperature	**Range**	**Resolution**	**Accuracy**
	-20C ~ 400C	1°C	±(1.2% ± 4)
	400C ~ 1000C		±(1.2% ± 6)
Frequency	**Range**	**Resolution**	**Accuracy**
	200Hz	0.1Hz	±(0.5% + 5)
	2kHz	1Hz	
	20kHz	10Hz	
	200kHz	100Hz	
	2MHz	1kHz	
	20MHz	10kHz	

Additional functionalities	NCV live wire detection, diode, continuity, low battery indication, auto power off, data hold
Display	1999 counts
Operating conditions	0C ~ 40C, 75% RH
Storage conditions	-10C ~ 60C, 80% RH
Power	2 x AAA 1.5V
Size & weight	152 x 73 x 48 mm, approx. 227g
Standard Accessories	Main unit, test leads, temperature probe, user manual, battery

Model and Specifications subject to change without notice.