

### 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	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	200mV	0.1mV	±(0.5% + 5)
	2V	1mV	
	20V	10mV	
	200V	100mV	
600V	1V		
AC Voltage (True RMS)	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	2V	1mV	±(1.2% + 5)
	20V	10mV	
	200V	100mV	
	600V	1V	
DC Current	<b>Range</b>	<b>Resolution</b>	
	200uA	0.1uA	±(1% + 5)
	2mA	1uA	
	20mA	10uA	±(1.5% + 5)
	200mA	100uA	

	2A	1mA	$\pm(2\% + 5)$
	10A	10mA	
<b>AC Current (True RMS)</b>	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	200uA	0.1uA	$\pm(1\% + 5)$
	2mA	1uA	
	20mA	10uA	$\pm(1.8\% + 5)$
	200mA	100uA	
	2A	1mA	$\pm(3\% + 5)$
	10A	10mA	
	<b>Resistance</b>	<b>Range</b>	<b>Resolution</b>
200 $\Omega$		0.1 $\Omega$	$\pm(0.8\% + 5)$
2K $\Omega$		1 $\Omega$	
20K $\Omega$		10 $\Omega$	$\pm(0.8\% + 5)$
200K $\Omega$		100 $\Omega$	
2M $\Omega$		1K $\Omega$	$\pm(2\% + 5)$
20M $\Omega$		10K $\Omega$	
<b>Capacitance</b>	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	20nF	10pF	$\pm(3\% + 10)$
	200nF	100pF	
	2uF	1nF	
	20uF	10nF	
	200uF	100nF	$\pm(5\% + 15)$
	2mF	1uF	
<b>Temperature</b>	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	-20C ~ 400C	1°C	$\pm(1.2\% \pm 4)$
	400C ~ 1000C		$\pm(1.2\% \pm 6)$
<b>Frequency</b>	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>
	200Hz	0.1Hz	$\pm(0.5\% + 5)$
	2kHz	1Hz	
	20kHz	10Hz	
	200kHz	100Hz	
	2MHz	1kHz	
	20MHz	10kHz	

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