

**INTRODUCTION**

The Metravi XB-33A is a 6000 Counts T-RMS Digital multimeter with a backlit LCD display.


In case if you don't know whether two points are short, or have voltage or linear resistance, no need to worry. Just connect this multimeter and the instrument will detect automatically.

This auto-ranging meter can measure AC T-RMS Voltage and Current, DC Current / Voltage, Frequency, Resistance, Capacitance & Temperature. It also has Diode and Continuity Test and Non-contact Voltage Detection, along with overload protection to against incorrect connections.

Input Limits	
Function	Maximum Input
VDC, VAC	600V DC/AC
Resistance, Diode, Continuity	250V DC/AC
mADC	600mA DC
10A DC	1 OA DC (15 seconds max. every 15min.)
Frequency ,Capacitance, Temp.	250V DC/AC



**SPECIFICATIONS**

- Accuracy** : Stated at 23°C ±5°C (73°F ±10°F) and less than 70% RH
- Diode Test** : Test current of 1mA maximum, open circuit voltage 3.2V DC typical
- Continuity Check** : Audible signal will sound if the resistance is less than approximately <math>40\pm 5\Omega</math>
- Temperature Sensor** : Requires type K thermocouple
- Input Impedance** : 10M $\Omega$  (V AC/DC)
- Display** : 5999 counts backlit LCD
- Over-range** : "OL" is displayed
- Polarity** : Automatic (no indication for positive polarity): Minus(-) sign for negative polarity.
- Measurement Rate** : 3 times per second, nominal
- Low Battery** : "  " is displayed if battery voltage drops below operating voltage
- Batteries** : Requires (2) AAA batteries
- Fuses** : mA range; 630mA/250V fast blow fuse, 10A range no fuse
- Operating Temperature** : 32°F to 104°F (0°C to 40°C)
- Storage Temperature** : -4°F to 140°F (-20°C to 60°C)

\*Technical Specifications & Appearance are subject to change without prior notice

<b>Relative Humidity</b>	: Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C
<b>Weight</b>	: 200g
<b>Size</b>	: 141mm x 77mm x 35mm
<b>Data Hold</b>	: To freeze the displayed data

**DC Voltage (V DC)**

Range	Accuracy
600.0mV	±(0.5% reading + 2 digits)
6.000V	
60.00V	±(0.8% reading + 2 digits)
600.0V	±(1.5% reading + 3 digits)

**AC Voltage (40~400Hz)**

Range	Accuracy
6.000V	+(0.8% reading + 3 digits)
60.00V	
600.0V	+(1.5% reading + 3 digits)

**DC Current**

Range	Accuracy
600.0μA	±(1.0% reading + 4 digits)
6000μA	
60.00mA	
600.0mA	
6A / 10A	

**AC Current (40 to 400Hz)**

Range	Accuracy
600.0μA	±(1.2% reading + 5 digits)
6000μA	
60.00mA	
600.0mA	
6A / 10A	

**Capacitance**

Range	Accuracy
9.999nF	±(4.0% reading + 10 digits)
99.99nF	
999.9nF	±(3.0% reading + 10 digits)
9.999uF	
99.99uF	
999.9uF	
9.999mF	±(5.0% reading + 10 digits)

**Resistance**

Range	Accuracy
600.0Ω	±(1.2% reading + 4 digits)
6.000kΩ	
60.00kΩ	
600.0kΩ	
6.000MΩ	±(3.0% reading + 5 digits)
60.000MΩ	

**Frequency**

Range	Accuracy
9.999Hz	±(0.3% reading + 4 digits) Sensitivity : 3.0V RMS
99.99Hz	
999.9Hz	
9.999kHz	
99.99kHz	
999.9 kHz	
9.999MHz	

**Duty**

Range	Accuracy
1% ~ 99%	±(0.5% reading + 3 digits)

**Temperature**

	Range	Accuracy
°F	-4 to 1832°F	-4 to 1832°F; ±(1.0% rdg + 5 digtts)
°C	20 to 1000°C	-20 to 1000°C; ±(1% rdg + 5 digits) (probe accuracy not included)

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