Tasira
Instruments & Services

METRAVI® | T-RMS DIGITAL MULTIMETER | XB-33CF

INTRODUCTION

XB-33CF is a pocket-sized 3 5/6-digits auto-ranging multimeter. It has stable performance, high precision, high reliability, clear reading, with overload protection. With AAA 1.5 Vbattery the instrument uses a large-screen LCD display, boost power supply, even in the 2.3V low battery, it can guarantee high backlight brightness, the meter is easy to carry, has a vast number of usage, the backlight can be automatically turned off after 15 seconds.This instrument can be used to measure DC voltage, AC voltage, DC current, AC current, Resistance, Capacitance, Temperature, Frequency, Diode, Continuity Test, Non Contact Voltage detection, true RMS measurement and other parameters. It is an ideal tool for the laboratory, factory, radio enthusiasts and families.

GENERAL CHARACTERISTICS

- Display, liquid Crystal Display (LCD)
- Maximum display : 6000 (5 5/6) Counts Automatic Polarity Display
- Measurement : Double Integral A / D Conversion
- Data Hold
- MAX/MIN Record Function
- Relative Measurement
- Non Contact Voltage Detector
- Flashlight to Access Dark Areas
- While Measuring Voltage, press select button to see the frequency
- While Measure Current, press select button to see the frequency
- Sampling Rate: About 3 Times Per Second
- Over range display: The Most Significant Bit was "0L"
- Low Voltage Display : " " Symbol Appears
- Working Environment : (0~40)˚C, Relative Humidity <80%
- Power Supply : AAA 1.5V Battery
- Volume (size) : 142×70×32mm (L×W×H)
- Weight : About205g (Including 1.5V Battery)
- Accessories : Manual, Box, Pair of Test Leads, Two AAA1.5V Battery

TECHNICAL CHARACTERISTICS

Accuracy (reading data of a%+ least significant digits), guaranteed accuracy environment temperature: (23.5)˚C., Relative humidity <75%, calibration guarantee period from the date of manufacture for one year.

*Technical Specifications & Appearance are subjet to change without prior notice

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DC VOLTAGE

Range	Accuracy	Resolution
6V	± (0.5%+3)	0.001V
60V		0.01V
600V		0.1V
1000V	± (0.8%+10)	1V

AC Voltage(T-RMS)

Range	Accuracy	Resolution
6V	± (0.8%+3)	0.001V
60V		0.01V
600V		0.1V
750V	± (1.2%+10)	1V

DC CURRENT

Range	Accuracy	Resolution
600uA	± (1.2%+10)	0.1uA
6000uA		1uA
60mA		10uA
600mA		100uA
6A	± (2.0%+30)	0.001A
10A		0.01A

AC CURRENT T-RMS

Range	Accuracy	Resolution
600uA	± (1.2%+10)	0.1uA
6000uA		1uA
60mA		10uA
600mA		100uA
6A	± (2.0%+30)	0.001A
10A		0.01A

RESISTANCE

Range	Accuracy	Resolution
600Ω	± (0.8%+5)	0.1Ω
6kΩ	± (0.8%+3)	1Ω
60kΩ		10Ω
600kΩ		100Ω
6MΩ		1kΩ
40MΩ	± (2.5%+3)	10kΩ

CAPACITANCE

Range	Accuracy	Resolution
60nF	± (3.5%+20)	10pF
600nF		100pF
6uF		1nF
60uF		10nF
600uF		100nF
6mF		11uF
30mF	± (5%+3)	10uF

FREQUENCY

Range	Accuracy	Resolution
10Hz	± (0.1%+3)	0.01Hz
100Hz		0.1Hz
1kHz		1Hz
10kHZ		10Hz
100kHz		100Hz
1MHz		1kHz
20MHz		10kHz

TEMPERATURE

Range	Accuracy	Resolution
(-20-1000)˚C	± (1.0%+5) <400˚C ± (1.5%+15) ≥400˚C	1˚C
(0-1832)˚F	± (0.75%+5) <750˚F ± (1.5%+15) ≥750˚F	1˚F

DIODES AND ON-OFF TEST

Range	Display Value	Test Conditions
	Diode forward voltage drop	Positive DC current of about 1mA, open circuit voltage of about 3V,
	The buzzer buzzes for a long time, and the test resistance is less than (50±20) Ω	Open circuit voltage is about 3V Press "SELECT" to switch between two functions

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