

DIGITAL MULTIMETER DT830PRO

APPLICATION: This is a 3½ Digits multimeter with Backlight. This instrument can be used to measure AC/DC Voltage, AC/DC Current, Resistance, Diode, Continuity, Non contact AC Voltage, Resistance, Frequency, Capacitance and other parameters. It is an ideal tool for the Electricians, Engineers, Laptop & Mobiles & Electronics appliances Repairing Centre, Factories, Industries, Laboratories, Students, Household.

FEATURES:

- Display: 3 ½ digit display with 1999 counts
- Over Range Indication: "OL"
- Polarity Indication Negative Polarity "-"
- Operating Temperature & Humidity: 0°C to 40°C < 75% RH
- Storage Temperature & Humidity: -10°C to 50°C < 75% RH
- Data hold Function. Back Light
- Low Battery Indication
- **CAT III 600V**
- Power supply: AAA 1.5V x 2 batteries
- Unit Size: 147 X 74 X 37 mm
- Display Size: 20x40mm
- Weight: Approx.160g. (Including Batteries)



SPECIFICATION:

DC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200mV	0.1mV	±0.8% of rdg ±2 digits
2V	0.001V	
20V	0.01V	
1000V	1V	±1.2% of rdg ±3 digits

AC VOLTAGE

RANGE	RESOLUTION	ACCURACY
1000V	1V	±1.5% of rdg ±3digits

Input Impedance: 10MΩ

Response: True RMS

Maximum Input Voltage: 1000V AC (RMS)

Frequency Response: 40Hz to 1KHz (applicable to standard sine wave and triangle wave)

Display: True RMS (other waveform size 200Hz is for reference only)



DC CURRENT

RANGE	RESOLUTION	ACCURACY
200mA	0.1mA	±1.5% of rdg ±3 digits
10A	0.01A	±2.5% of rdg ±5 digits

AC CURRENT

RANGE	RESOLUTION	ACCURACY
200mA	0.1mA	±1.5% of rdg ±5 digits
10A	0.01A	±3.5% of rdg ±5 digits

DIODE & CONTINUITY

RANGE	DESCRIPTION
	The on resistance is about 50Ω or less, and the buzzer sounds in the machine.
	Displays the approximate diode forward voltage value.

Overload Protection: PTC 250V DC or AC rms.

RESISTANCE

RANGE	RESOLUTION	ACCURACY
200Ω	0.1Ω	±1.5% of rdg ±5 digits
2kΩ	0.001kΩ	
20kΩ	0.01kΩ	
200kΩ	0.1Ω	
2MΩ	0.001MΩ	
20MΩ	0.01MΩ	±2.5% of rdg ±5 digits

Overload Protection: 250V DC or AC RMS.

CAPACITANCE

RANGE	RESOLUTION	ACCURACY
200μF	0.1μF	±4% of rdg ±5 digits

Overload Protection: 250V DC or AC RMS

TRANSISTOR hFE TEST (0-1000)

RANGE	Resolution	Accuracy
hFE	The display reads an approximate value for hFE(0-1000)	The base current is approximately 2.8V

FREQUENCY

RANGE	RESOLUTION	ACCURACY
2KHz	0.001KHz	±1.5% of rdg ±5 digits

SAFETY INFORMATION:

This Multimeter has been designed according to IEC61010-1 600V (CAT III) and Pollution 2. To ensure that the meter is used accurately and safely, please read the operating instruction carefully.

ACCESSORIES: Instruction Manual, 1 Set test leads & 2pc AAA batteries.

