

**BEETECH**<sup>®</sup>

# B-830L

## DIGITAL MULTIMETER



- BEETECH B-830L is a 2000 Counts Digital Multimeter measuring AC - DC Voltage, DC Current, Resistance, Diode Test, Continuity, Buzzer, Battery test and Transistor test.

- It is designed according to IEC1010 concerning electronic measuring instruments with 600V CAT III and Pollution 2.


### KEY FEATURES

- 10A DC
- 600V AC/DC
- 2000 Counts
- 3 1/2 Digits
- NCV Sensor
- Resistance
- Diode
- Continuity
- Battery Test
- Transistor Test
- Overload Protection
- Live Wire Recognition

### PRODUCT HIGHLIGHTS



## GENERAL SPECIFICATIONS

FUNCTION	B-830L	FUNCTION	B-830L
Display	Max. 2000 counts	Operating temp	0°C - 40°C
DC Current	10A	Storage °C	-10°C - 50°C
AC Voltage	200V – 600V	Low Battery Indication	Displays on  LCD
DC Voltage	200mV – 600V	Battery	1.5V AAA x 2
Resistance	200Ω - 20MΩ	Overload display	“OL”
Battery Test	Yes	Dimension	133(L) x 71(W) x 47(H)
Diode Test	Yes	Continuity test	Yes
Transistor Test	Yes	Fuse	F200mA/ 250V, F10A/ 250V

- Auto Power Off: Meter will switch off, when not in use for 15 mins.

## SPECIFICATIONS

### DC CURRENT (DCA)

RANGE	RESOLUTION	ACCURACY
20mA	10uA	±(1.0%±5)
200mA	100uA	±(2.0%±5)
10A	10mA	±(3.0%±5)

- Overload Protection: Fuse 200mA/ 250V; Fuse F10A/ 250V

### RESISTANCE

RANGE	RESOLUTION	ACCURACY
200Ω	0.1Ω	±(1.0%±5)
2kΩ	1Ω	±(1.0%±5)
20kΩ	10Ω	±(1.0%±5)
200kΩ	100Ω	±(1.0%±5)
20MΩ	10kΩ	±(1.2%±8)

- Overload Protection: 250V DC or AC RMS

### AC VOLTAGE (ACV)

RANGE	RESOLUTION	ACCURACY
200V	100mV	±(1.0%±10)
600V	1V	±(1.0%±10)

- Input Impedance: 10MΩ
- Overload Protection: 600V DC or 600V AC RMS
- Frequency range: 40 to 400Hz
- Display: Average (sin wave value)

### DC VOLTAGE (DCV)

RANGE	RESOLUTION	ACCURACY
200mV	100uV	±(0.5%±3)
2V	1mV	±(0.5%±3)
20V	10mV	±(0.8%±3)
200V	100mV	±(0.8%±3)
600V	1V	±(0.8%±5)

- Input Impedance: 10MΩ
- Overload Protection: 200mV range at 250V DC or 250V AC RMS
- Other ranges at 600V DC or 600V AC RMS

### BATTERY TEST

RANGE	DISPLAY VALUE	RESOLUTION
1.5V	1.5V	0.01V
3V	3V	0.01V
9V	9V	0.01V

- Overload protection: 250V DC or AC RMS

### TRANSISTOR TEST

RANGE	DESCRIPTION
hFE	Display Approx. Value hFE 1-1000

- Overload protection: 250V DC or 250VAC RMS

## DIODE AND CONTINUITY

RANGE	DESCRIPTION
Buzzer	Built-in Buzzer will be sounded if Resistance is less than 50Ω±30Ω
Diode	Display Approximate forward voltage of Diode

- Overload Protection: 250VDC or 250VAC RMS