

# Bench Multimeters



2835



2831C

B+K Precision offers 2 models that are great for use by any technician or students in a laboratory or field environment. Model 2835 has a compartment to carry test leads and other accessories with convenient strap for easy transportation. The large LCD provides a good reading. Model 2831C has accurate True RMS for interpretation of any waveform signal. The LED display provides clear reading in darker environments. It is a great tool for any bench, next to a power supply and oscilloscope.

## Model 2835

- Large LCD provides a good reading
- Compartment to carry test leads and other accessories
- Convenient strap for easy transportation
- Portable
- Battery operated

## Model 2831C

- True RMS for accurate interpretation of any waveform signal
- LED display for clear reading in darkest environment
- Great overload protection
- Tests 1200VDC and 1000VAC

## Specifications

	2835	2831C
<b>models</b>		
DC Volts		
Ranges	400mV, 4V, 40V, 400V, 1000V	200mV, 2V, 20V, 200V, 1200V
Resolution	0.1mV, 1mV, 10mV, 100mV, 1V	0.1mV, 1mV, 10mV, 100mV, 1V
Basic Accuracy	0.5% + 2 digits	0.1% + 1 digit
Input Impedance	10MΩ	10MΩ
AC Volts		
Ranges	400mV, 4V, 40V, 400V, 750V	200mV, 2V, 20V, 200V, 1000V
Resolution	same as DCV	same as DCV
Basic Accuracy	1.0% + 5 digits	0.5% + 4 digits
Input Impedance	10 MΩ < 100pF	10 MΩ < 100pF
True RMS	No	Yes
DC Current		
Ranges	4mA, 40mA, 400mA, 10A	200μA, 2mA, 20mA, 200mA, 2000mA, 20A
Resolution	1μA, 10μA, 100μA, 10mA	100nA, 1μA, 10μA, 100μA, 1mA, 10mA
Basic Accuracy	0.75% + 2 digits	0.2% + 1 digit
Overload Protection	1A, 600V & 15A, 600V fuse 10A unfused	2A/250V fuse & 4A/500V fuse, 20A unfused
AC Current		
Ranges	4mA, 40mA, 400mA, 10A	200μA, 2mA, 20mA, 200mA, 2000mA, 20A
Resolution	1μA, 10μA, 100μA, 10mA	100nA, 1μA, 10μA, 100μA, 1mA, 10mA
Basic Accuracy	1.5% + 5 digits	1.0% rdg + 4 digits
Overload Protection	600V DC or AC peak	Same as DC
Resistance		
Ranges	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	200Ω, 2kΩ, 20kΩ, 200kΩ, 2000kΩ, 20MΩ
Resolution	0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 1kΩ	0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ
Basic accuracy	0.75% rdg + 4 digits	0.2% rdg + 1 digit
Capacitance		
Ranges	4nF, 40nF, 400nF, 4μF, 40μF	Does not apply
Resolution	0.001nF, 0.01nF, 0.1nF, 0.001μF, 0.01μF	
Basic Accuracy	1.0% + 4 digits	
Frequency		
Range	100Hz, 1kz, 10kHz, 100kHz, 1MHz	Does not apply
Accuracy	0.1% rdg + 4 digits	
Sensitivity	40μV rms on 100 Hz to 10kHz ranges, 400μV on all other ranges	
Diode Test	4V range, 0.6mA test current,	Tested on 2kΩ range, 1mA test current
Continuity Check	Audio tone for resistance under 50Ω	Audio tone for resistance under 10Ω
General		
Display	3-3/4 digit 4000 count backlit LCD	3-1/2 digit LCD, 0.5 inch LED
Power	6 "AA" batteries (not supplied)	120/240 VAC, 50/60 Hz (SW)
Operating Temperature	32° to 122°F (0° to 50°C), 70% RH	32° to 104°F (0° to 40°C), 70% RH
Size	2.87 x 8.58 x 7.68" (73 x 218 x 195mm)	4.5 x 11.75 x 10.375" (114 x 298 x 264mm)
Weight	3 lbs (1.3 kg)	5.5 lbs (2.5 kg)

## Accessories

**One Year Warranty**

SLIPPED: Instruction Manual, Test Leads, AC Power Cord, Carrying Strap(Model 2835)  
 OPTIONAL: TL-1 Replacement Test Leads , TL-2A Deluxe Test Leads, TL-3 Accessory Tip Kit (for TL-2A),  
 TL-130A General Purpose DMM Kit, PR-28 High Voltage Probe, CP-3 AC/DC Current Clamp Adapter