

Data Sheet

Capacitance Meter

Model 830B

B&K Precision Corporation's Model 830B Capacitance Meter is a compact, hand held, light weight, battery powered test unit featuring a large 4 1/2 digit LCD display, 11,000 counts resolution, and nine (9) automatically selected ranges with full scale value from 1.0pF to 199.99mF. Designed to meet the latest international safety standards, the Model 830B's dedicated chip and microprocessor allow the user to program high/low limits, or utilize pre-programmed capacitor tolerances. Software and cabling are provided for PC based data logging and monitoring via a USB interface. The PC based data logging capability allows the user to remotely monitor, record, and track problems and significantly improve maintenance performance. Model 830B Capacitance Meter is the ideal device for measuring values, inspection, sorting capacitors, and testing capacitors against standard tolerances.



Specifications		model
		830B
CAPACITANCE		
RANGE (Best Resolution)	1000pF (0.1pF) 10nF (1pF) 100nF (10pF) 1000nF (0.1nF) 10μF (1nF) 100μF (10nF) 1000μF (0.1μF) 10mF (1μF) 199.99mF (10μF)	
ACCURACY	±(1%rdg + 11dgt) ±(1%rdg + 6dgt) ±(0.5%rdg + 4dgt) ±(0.5%rdg + 4dgt) ±(0.5%rdg + 4dgt) ±(0.5%rdg + 4dgt) ±(0.5%rdg + 4dgt) ±(1%rdg + 6dgt) ±(2%rdg + 6dgt)	
POWER SOURCE		
Type	9V Battery	
BATTERY LIFE	80 hours typ. (alkaline)	
DISPLAY	4 1/2 digit LCD (dual)	
OPERATING TEMPERATURE	32° to 122°F (0° to 50°C)	
STORAGE TEMPERATURE	-4° to 140°F (-20° to 60°C)	
DIMENSIONS (L x W x D)	7.24 x 3.42 x 1.61" (184 x 87 x 41 mm)	
WEIGHT	11.3 oz. (320g)	

The Model 830B Capacitance Meter's large 4 1/2 digit LCD dual display can simultaneously display values and deviations from selected tolerances. The unit can also sort on preset tolerances of 1, 5, and 10%. The built-in chip and microprocessor allows the user to program unique values to sort specific circuit applications. Outstanding features of the Model 830B include:

- Dual Display simultaneously displays value and deviation from selected tolerance
- Sort on preset tolerance of 1, 5, and 10%
- Program unique values to sort for specific circuit applications
- USB PC interface and data logging software included
- 9V battery operated
- Three year warranty



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Specifications subject to change without notice