B·K PRECISION®

ELECTRONIC TEST INSTRUMENTS

Data Sheet

Capacitance Meter
Model 890B

The Model 890B Capacitance Meter features a large 41/2 LCD with dual display, 11,000 counts resolution, and 9 automatically selected ranges with full scale value from 1.0pF to 50mF. Designed to meet the latest international safety standards, the meter's dedicated chip and microprocessor allow programmable high/low limits or pre-programmed standard capacitor tolerances, making it ideal for measuring values, inspection, sorting capacitors and testing capacitors against standard tolerances. Optional software and cabling is available for PC based data logging and monitoring. The 890B is a unique value and is indispensable on the inspection bench.

Specifications — models

	890B
CAPACITANCE	
RANGE (Best Resolution)	1000pF (0.1pF)
	10nF (1pF)
	100nF (10pF)
	1000nF (0.1nF)
	10μF (1nF)
	100μF (10nF)
	1000μF (0.1μF)
	10mF (1μF)
	50mF (10μF)
ACCURACY	$\pm$(1%rdg + 11dgt)
	$\pm$(1%rdg + 6dgt)
	$\pm$(0.5%rdg + 4dgt)
	$\pm$(0.5%rdg + 4dgt)
	$\pm$(0.5%rdg + 4dgt)
	$\pm$(0.5%rdg + 4dgt)
	$\pm$(0.5%rdg + 4dgt)
	$\pm$(1%rdg + 6dgt)
	$\pm$(2%rdg + 6dgt)
POWER SOURCE	
Type	9V Battery
BATTERY LIFE	80 hours typ. (alkaline)
DISPLAY	41/2 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 890B Capacitance Meter's large 4.5 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. Optional software and cabling is available for PC based data logging and monitoring via a USB interface.

- **Dual display simultaneously displays value and deviation from selected tolerance**
- **Auto-range, 11000 count resolution and large LCD with dual display.**
- **Wide range resolution and measurement from 0.1pF to 199.99 mF (50.00mF for model 890B).**
- **Sort on preset tolerance of 1, 5, 10%**
- **Program unique values to sort for specific circuit applications**
- **Static Recording, you will know maximum, average and minimum values without calculator.**
- **Relative mode will help you to calculate the difference between a standard and a measuring value.**
- **USB PC interface for data logging software available**

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Specifications subject to change without notice