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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Data Sheet

Bench LCR/ESR Meter with Component Tester

Model 889B



The B&K Precision 889B synthesized in-circuit bench LCR/ESR meter is a high accuracy test instrument used for measuring inductors, capacitors and resistors with a basic accuracy of 0.1%. Also, with the built-in functions of DC/AC Voltage/Current measurements and Diode/Audible Continuity checks, the 889B can not only help engineers and students to understand the characteristics of electronics components, but also being an essential tool on any service bench.

Features:

- Measurement parameters: Z, L, C, DCR, ESR, D, Q, ACV, DCV, ACA, DCA and \emptyset
- Test conditions: 100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz, 200 kHz, 1 Vrms, 0.25 Vrms, 0.05 Vrms
- 0.1% basic accuracy
- Dual LCD display
- Very quick response, user-friendly
- Fully auto/manual selection
- DC resistance measurement
- USB interface

Specifications	889B			
Test Frequencies	100Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz, 200 kHz			
Frequency Accuracy	±0.1%			
Test Levels	1 Vrms, 0.25 Vrms, 0.05 Vrms, 1 Vdc (for DCR)			
Level Accuracy	±10%			
Output Impedance	100 Ω , ±5%			
Measurement Range				
Impedance (Z)	Frequency	Maximum	Minimum	Best Resolution
	DCR	20 M Ω	0.1 Ω	0.001
	100 Hz	20 M Ω	0.1 Ω	0.001
	120 Hz	20 M Ω	0.1 Ω	0.001
	1 kHz	20 M Ω	0.1 Ω	0.001
	10 kHz	20 M Ω	0.1 Ω	0.001
	100 kHz	10 M Ω	0.1 Ω	0.001
	200 kHz	10 M Ω	0.1 Ω	0.001
Capacitance (C)	Frequency	Maximum	Minimum	Best Resolution
	100 Hz	15.91 mF	79.57 pF	0.001
	120 Hz	13.26 mF	66.31 pF	0.001
	1 kHz	1.591 mF	7.957 pF	0.001
	10 kHz	159.1 μ F	0.795 pF	0.001
	100 kHz	15.91 μ F	0.159 pF	0.001
200 kHz	7.957 μ F	0.079 pF	0.001	
Inductance (L)	Frequency	Maximum	Minimum	Best Resolution
	100 Hz	31.83 kH	159.1 μ H	0.001
	120 Hz	26.52 kH	132.6 μ H	0.001
	1 kHz	3.183 kH	15.91 μ H	0.001
	10 kHz	318.3 H	1.591 μ H	0.001
	100 kHz	31.83 H	0.159 μ H	0.001
200 kHz	15.91 H	0.079 μ H	0.001	
General				
Operating Temperature	32° to 104°F (0° to 40°C)			
Storage Temperature	-4° to 158°F (-20° to 70°C)			
Relative Humidity	up to 85%			
AC Input	110 V/220 V AC, 60/50 Hz			
Dimensions (LxWxH)	11.8 x 8.7 x 5.9" (300 x 220 x 150 mm)			
Weight	10 lbs (4.5 kg)			
Three-Year Warranty				
Included Accessories	User manual, Kelvin probe, DMM test leads, and power cord			