

Model # 889A

Bench LCR/ESR Meter with Component Test

Data Sheet

Digital Mode Specifications models

889A	
TEST SIGNAL	
Frequency	100Hz, 120Hz, 1kHz, 10kHz, 100kHz, 200kHz
Frequency Accuracy	± 0.1%
Level	1Vrms, 0.25Vrms, 0.05Vrms, 1Vdc (for DCR)
level Accuracy	± 5%
Output Impedance	100Ω, ± 5%

Measurement Range

Impedance (Z):	Frequency	Max.	Min.	Best Resolution
	DCR	20MΩ	0.1Ω	0.001
	100Hz	20MΩ	0.1Ω	0.001
	120Hz	20MΩ	0.1Ω	0.001
	1kHz	20MΩ	0.1Ω	0.001
	10kHz	20MΩ	0.1Ω	0.001
	100kHz	20MΩ	0.1Ω	0.001
	200kHz	20MΩ	0.1Ω	0.001
Capacitance (C):	Frequency	Max.	Min.	Best Resolution
	100Hz	15.91mF	79.57pF	0.001
	120Hz	13.26mF	66.31pF	0.001
	1kHz	1.591mF	7.957pF	0.001
	10kHz	159.1μF	0.795pF	0.001
	100kHz	15.91μF	0.159pF	0.001
	200kHz	0.079pF	795.7nF	0.001
Inductance (L):	Frequency	Max.	Min.	Best Resolution
	100Hz	9999H	159.1μH	0.001
	120Hz	9999H	132.6μH	0.001
	1kHz	3183H	15.91μH	0.001
	10kHz	318.3H	1.591μH	0.001
	100kHz	31.83H	0.159μH	0.001
	200kHz	15.91H	0.079μH	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 Operation	110V/220V AC, 60/50Hz
Dimensions (LxWxH)	11.8" x 8.7" x 5.9" (300 x 220 x 150mm)
Weight	10 lbs (4.5kg)

Accessories Two Year Warranty

SUPPLIED: Instruction Manual, Kelvin Probe, Line Cord



Model 889A

Bench LCR/ESR Meter with Component Test

The B&K Precision Corp. 889A Synthesized In-Circuit 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 889A 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 Ø
- Test conditions: 100Hz, 120Hz, 1kHz, 10kHz, 100kHz, 200kHz, 1Vrms, 0.25Vrms, 0.05Vrms
- 0.1% basic accuracy
- Dual LCD display
- Very quick response, user friendly
- Fully auto/manual selection
- DC resistance measurement
- RS-232 interface capability

B&K Precision Corporation

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Specifications subject to change without notice

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