

# Bench LCR/ESR Meter with Component Test



## Digital Mode Specifications

model

|                    | 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 (TL 889A), Line Cord

## Bench LCR/ESR Meter with Component Test Model 889A

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

## TL 889A

Kelvin Clip to four BNC Lead

