

LCR700

LCR Measurement

AUDAC

► Features

- RS232 optical interface
- 2 measuring frequency's (120Hz or 1kHz)
- User friendly
- Auto-Power Off function
- Included test leads, shock absorbing cover, spare fuse, PC connection cable
- Light-weight design
- Fuse detection function
- Auto & Manual range selection

► Applications

- Induction measurements
- Capacitance measurements
- Impedance measurements
- Dissipation factor measurements



The LCR700 is AUDAC's digital LCR measurement appliance.

It's many possibilities and features make it an essential instrument for sound and electronics engineers.

Users can make measurements for induction, capacitance and resistance.

During the measurement you can read-out the D factor (dissipation factor) on a second display.

All measurements can be carried out on two different frequencies: 120Hz and 1kHz. This allows measurements of great accuracy at all kinds of specimen.

The LCR700's range control can be set to automatic or manual mode, and it has an Auto-Power OFF function, which helps to conserve the lifespan of the battery, and can be disabled by using a DC adaptor. The fuse detection function informs when the fuse is damaged.

The RS232 port enables you to communicate with a computer. The software (for Windows) is delivered with the LCR700 and makes it possible to save the measurements into your computer.

The LCR700 is supplied with:

- RS232 PC connection cable
- Required software
- Test leads
- Shock absorbing cover
- Instruction manual

► Specifications

SYSTEM SPECIFICATIONS	
Power supply	9 V DC Battery
External power supply	Adapter min. 12 V to max. 15 V
Power consumption	0.75 W Max.
Test frequency	1 KHz and 120 Hz
Measurements parameters	$L_s+(Q, D, R_s)$, $L_p+(Q, D, R_p)$ $C_s+(Q, D, R_s)$, $C_p+(Q, D, R_p)$
Basic accuracy	0.5% for Resistance 0.7% for Inductance, Capacitance
Display	\sqrt{R} -4 ½ digits, max. reading of 19999 \sqrt{D} -4 digits, max. reading of 9999 (Auto range)
Measuring range control	Auto & manual
Measuring speed	Approx. 1x/second, nominal
Auto-power	Auto power off if not used for 5 minutes
Protective fuse	0.1A fast-blow 250V AC
Resolution	Resistance up to 0.001Ω Inductance Capacitance up to 0.1uH/0.1pF
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	91 x 192 x 52.5 mm
Weight net	365 g
SHIPPING & ORDERING	
Packaging	Carton box
Shipping weight & volume	365 g - 0.00091 Cbm
Accessory included	Test leads Instruction manual Spare fuse in meter RS232 connection cable Shock absorbing cover
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our product	