

Order Code : 20213571.2

Name : LCR-Q Meter



## Specifications:

### Features

- ★ Microprocessor based Fully Automatic L, C, R, Q and D measurement
  - ★ Autoranging with Direct Digital Readout
  - ★ 4 Terminal Measurement Technique
  - ★ No Tuning or Balancing
  - ★ Series or Parallel Equivalent Measurement
  - ★ Absolute Value and Nominal Value with Percentage Tolerance
  - ★ Single / Multiple Parameters Check During Component Sorting
  - ★ Self Test Facility
  - ★ Feather Touch Keys with Audio Feedback
  - ★ Special Mechanism for Fast and Easy Insertion and Removal of Test Component
  - ★ Low Cost and Portable
  - ★ Component Sorting on Absolute or Nominal Value Basis with a Percentage Tolerance
- 
- LCR-Q Meter Sorter that meets today's requirements of measurement, selection and sorting of components in the laboratory, on the production line and in the quality assurance area.
  - features fully auto ranging and automatic operation over a wide range of measurements. measures inductance, capacitance, resistance and quality factor to a basic accuracy of  $\pm 0.25\%$  of the reading for values upto 2000H, 2000 $\mu$ F, 2M ohm and 04 respectively and upto 0.25 for dissipation factor.
  - Measurements can be made at a frequency of 100Hz or 1KHz as required and either the series equivalent or parallel equivalent component value scan be displayed.
  - Range selection is fully automatic and the LCR-Sorter automatically discriminates between inductors and capacitors.
  - The operating system of the LCR-Sorter provides assistance to the user in selecting the measurement mode and frequency to give best accuracy.
  - If a wrong selection is done, then the corresponding LED flashes prompting the user to change to the proper setting.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*

### **TESCA TECHNOLOGIES PVT. LTD.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302029, Rajasthan, India.  
Ph/ Fax: 91-141-2771791, 2771792; Email: [info@tesca.in](mailto:info@tesca.in), [tesca.technologies@gmail.com](mailto:tesca.technologies@gmail.com)  
Website: [www.tesca.in](http://www.tesca.in)

- Loss of basic accuracy due to poor quality of component and operation beyond the operating range of the instrument is also indicated by flashing the range LED.
- incorporates 4 terminal measuring technique which reduces errors due to electro-magnetic coupling of leads as well as reducing residual inductance and stray capacitance.
- It provides 13 relay drive outputs at the back panel on 25 pin 'D' type connector.
- Out of these 3 are provided for Pass/Fail indication & the remaining for bin indication.
- In sort test mode user can sort out components within 1, 2, 5 and 10 percent from the nominal value entered.
- High and low percent tolerance limits are entered for sorting components on go/no-go basis.
- Percentage deviation and PASS/FAIL indication is indicated on the 4 digit display in multiplex manner.
- Setting of nominal value is also possible by measurement of standard component.
- In absolute mode, upper and lower limit can be entered directly.
- In multiple test mode multiple parameters of capacitor & inductor are compared and PASS/FAIL indication is given accordingly.
- Self test is also incorporated to check the internal circuitry of the instrument.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*

**TESCA TECHNOLOGIES PVT. LTD.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302029, Rajasthan, India.  
Ph/ Fax: 91-141-2771791, 2771792; Email: [info@tesca.in](mailto:info@tesca.in), [tesca.technologies@gmail.com](mailto:tesca.technologies@gmail.com)  
Website: [www.tesca.in](http://www.tesca.in)