

# T3LCR1002, T3LCR1100, T3LCR1300 Fact Sheet

## Precision LCR Meters

## Measure With Confidence

### 10 Hz – 300 KHz



### Key Specifications

Model	Test Frequency	Measurement Resolution	Measuring Speed
T3LCR1002	10 Hz – 2 KHz	6 digits	Fast: 25 ms
T3LCR1100	10 Hz – 100 KHz	6 digits	Med: 100 ms
T3LCR1300	10 Hz – 300 KHz	6 digits	Slow: 33 ms

### Tools for Improved Debugging

- 3.5" Large TFT LCD Display. ✓ Clear visibility of your power settings.
- Continuous adjustable test frequency range. ✓ Flexibility in choosing measuring frequency for various components.
- Basic Accuracy of 0.05 %. ✓ Measurements will be faster as well as accurate.
- OPEN/SHORT fixture compensation function with full frequency and spot frequency zero options. ✓ Helps in faster measurements.
- Provides PASS/FAIL test function. ✓ Helps in faster validation process.
- Standard Interface: RS-232C, Handler, USB and USB Storage. ✓ Support for the maximum control flexibility.
- 3 years warranty as standard. ✓ Peace of mind.

For more information, please contact:

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### Features

- Available measurement functions: R, X, |Z|, G, B, |Y|, L, C, D, Q,  $\theta_d$ ,  $\theta_r$ , DCR,  $\Delta\%$
- Internal D.C. Bias Voltage ( $\pm 2.5$  V) for simulating A.C and D.C to measure capacitance variation.
- Auto Level Control (ALC) Function for components which require a rated test voltage such as Multilayer Ceramic Capacitors (MLCC).
- List Measurement feature to perform automated sweep measurements by listing up to 10 frequency or amplitude points.
- 4 Wire Kelvin clip is available as standard accessory. Replacement lead set can be ordered as an optional accessory using the code: T3TL4k-075.

### Various Information Display Modes



**MEAS Display**  
Parameter Setting and Four Measurement Parameters



**ENLARGE Display**  
Enlarge Measurement Results and Include PASS/FAIL Result

### Continuous Frequency and Convenient Zero Function



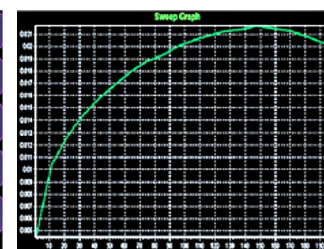
**Continuous and Adjustable Frequency**  
Freely Input Frequency Within Provided Frequency Range

**Selectable Fixture Zeroing Methods**  
Full Frequency Range Zero or Spot Frequency Zero

### List Measurement Function



**Listed Tests**  
Variation Criteria Based on Frequency or Voltage/Current



**Characteristic Curve**  
Provides More Accurate Characteristic Variation Trend

### Additional Measurement Functions



**Automatic Level Control**  
Ideal for Measuring Components With Specific Voltage Requirements

**Internal Bias ( $\pm 2.5$  V Adjustable)**  
Ideal for Capacitive Components' Characteristic Tests