T3LCR1002, T3LCR1100, T3LCR1300 Fact Sheet

Precision LCR Meters

TELEDYNE TEST TOOLS
Everywhereyoulook™

Measure With Confidence

10 Hz – 300 KHz

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.

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

For more information, please contact:

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Features

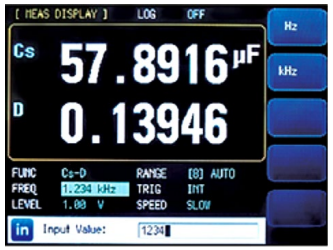
- Available measurement functions: R, X, |Z|, G, B, |Y|, L, C, D, Q, θd, θr, DCR, Δ%
- Internal D.C. Bias Voltage (±2.5 V) for simulating A.C and D.C to measure capacitance variation.
- Auto Level Control (ALC) Function for components which require a rated test voltage such as Multilayer Ceramic Capacitors (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

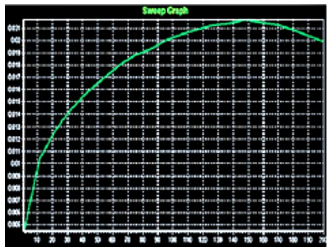


Continuous and Adjustable Frequency
Freely Input Frequency Within Provided Frequency Range

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 (± 2.5 V Adjustable)
Ideal for Capacitive Components' Characteristic Tests