

LCR Tester FNIRSI LCR- ST2Plus



Model: LCR-ST2 Plus

Manufacturer: FNIRSI

EAN: 5905156108165

Product Code: 946792

R1,700

FNIRSI LCR-ST2Plus LCR Tester

The FNIRSI LCR-ST2Plus enables the measurement of electrical parameters of components and offers a wide range of applications for both equipment maintenance and the design of new circuits. It offers measurements at multiple frequencies and test voltage levels, intelligent component recognition, and features that streamline the testing of individual components and entire production batches. Its compact, tweezers-like design, easy-to-read color display, and up to 3 hours of operation on a single charge make the device ideal for both laboratory settings and field work.

Wide Measurement Range and Comprehensive Parameter Analysis

The FNIRSI LCR-ST2Plus allows for precise measurement of resistance in the range from 10 mΩ to 10 MΩ, capacitance from 1 pF to 22 mF, inductance from 1 μH to 10 H, voltage up to ±30 V, and diodes with a forward voltage up to 0.7 V. In addition to the basic values, the device also displays a range of parameters describing the behavior of the tested component, such as D, Q, Z, X, θ, and ESR. This

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allows for a much more accurate assessment of component properties and their suitability for specific applications, without the need to use several different measuring instruments.

Flexible settings for even greater accuracy

The tester offers five measurement frequencies (100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz), allowing you to select the optimal test conditions for the type of component being tested. Four RMS test voltage levels (0.1 V, 0.3 V, 0.6 V, and 1.0 V) are also available, allowing you to increase the stability and precision of measurements for various components. An additional advantage is the simultaneous display of equivalent values for series and parallel connections, which minimizes the impact of parasitic parameters and improves measurement accuracy when testing resistors, inductors, and capacitors.

Smart features to streamline daily work

The LCR-ST2Plus is equipped with a full frequency sweep mode ranging from 100 Hz to 100 kHz, which allows you to analyze the frequency response of the component under test with a single command. The smart sorting feature automatically compares results with predefined nominal values and tolerances, instantly classifying components as pass or fail. This solution significantly speeds up testing of larger batches of components and reduces the risk of errors.

Convenient Component Testing

The device is designed to accommodate various types of components. The kit includes straight and curved tweezers-style test probes that facilitate the handling of small SMD components. For larger components and through-hole components, a lead terminated with a Kelvin clamp is provided, utilizing a four-wire measurement method that ensures high accuracy. The tester automatically recognizes resistors, capacitors, and inductors, and simultaneously displays the two most important parameters of the tested component on the screen. You also have access to the HOLD, Max, and Min functions, as well as the ability to customize system settings to your preferences.

Easy-to-read screen and ergonomic design

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The 1.47-inch HD color display provides a clear presentation of measurement results, making it easy to read data both in the workshop and in the field. Automatic screen rotation adapts to how you hold the device, ensuring comfortable use for both right- and left-handed users. The device is equipped with a magnetic attachment for easy storage and quick access while working.

Mobility, Safety, and Readiness for Use

The compact, tweezers-style housing means the tester fits easily in a pocket or tool bag, so you always have it on hand. The built-in 300 mAh lithium battery provides up to approximately 3 hours of continuous operation, and the modern USB-C port allows for convenient charging. The device also supports voltage measurement up to ± 30 V and is equipped with safety features that enhance the safety of the tests performed, allowing for comfortable work with a wide range of electronic components.

Included

- LCR tester
- storage case
- curved probe
- shorting plate
- data cable
- Kelvin clip lead
- user manual

Manufacturer	FNIRSI
Model	LCR-ST2Plus
Standby time	approx. 3 hours
Display	1.47" HD
Dimensions	31 × 170.7 × 20.3 mm
Weight	approx. 60.8 g
Interface	Type-C

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Operating temperature 0 °C ~ 50 °C (humidity ≤ 75%)

Storage temperature -20 °C ~ 60 °C (humidity ≤ 75%)

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 290, Net weight: 61, Box length: 22,50, Box width: 7,50, Box height: 8,00, PPWR: <https://ppwr.innpro.pl/fnirsi>