

Uni-T LCR Meter UT612



Model: UT612

Manufacturer: UNI-T

EAN: 6935750561201

Product Code: 1089543

R3,861

Uni-T UT612 LCR Meter

The Uni-T UT612 LCR Meter is an advanced measurement tool designed for accurate testing of inductance, capacitance, and resistance over a wide range—from 20 μ H to 2000 H, 200 pF to 20 mF, and 20 Ω to 200 M Ω . The device operates at five test frequencies (100 Hz, 120 Hz, 1 kHz, 10 kHz, and 100 kHz), offering series and parallel measurement modes and support for parameters such as L, C, R, DCR, Q, D, θ , and ESR. Thanks to its high accuracy, automatic LCR component recognition, and a USB interface capable of storing up to 60,000 results, the UT612 is ideal for use on production lines, in component inspection, and in electronics repair.

Extensive measurement functions

The meter offers not only basic LCR measurements but also more advanced options, such as measuring the quality factor, loss, or phase angle. The comparison function and deviation measurement help quickly assess whether a given component falls within the specified tolerances, which speeds up quality control and diagnostics. Thanks to the USB interface, the meter can be

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connected to a computer and up to 60,000 measurement results can be saved. This solution is particularly useful where long-term data documentation and analysis are important. The automatic shut-off feature helps conserve battery life, and the low-battery indicator ($\leq 6.8\text{ V}$) prevents unexpected interruptions. The device can be powered by either a 9V battery or via USB, offering greater flexibility. The kit includes, among other things, an SMD probe, a USB cable, and software, so the meter is ready to use right out of the box.

Included

- Battery
- SMD probe
- USB cable
- Multifunction socket
- User manual

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Model	UT612
Inductance	20 μH ~ 2000 H ($\pm 0.5\%$ + 5)
Capacitance	200 pF ~ 20 mF ($\pm 0.5\%$ + 5)
Resistance	20 Ω ~ 200 M Ω ($\pm 0.3\%$ + 5)

Supported parameters L, C, R, DCR, Q, D, θ , ESR

Test frequencies	100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz
Test voltage	0.6 Vrms
Display	LCD (40 × 63 mm)
Counts	20,000
D/Q counts	2,000
D/Q resolution	0.001
Power supply	9V battery (6F22) or USB power
Dimensions	96 × 193 × 47 mm
Weight	374 g

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GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 900, Net weight: 374, Box length: 28,00, Box width: 22,00, Box height: 7,00

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