LCR-Reader™ is a professional quality, low cost LCR and ESR-meter. It provides the perfect solution for testing and identifying Surface Mount Devices (SMD), as well as troubleshooting complex electronic systems.

Its unique patented mechatronic design combines a pair of gold-plated tweezer probes and a digital LCRmeter in a compact, lightweight, battery powered instrument. It does fully automatic, highly accurate measurements of resistance, capacitance, inductance and equivalent series resistance.

SMDs are more difficult to test and identify due to their small sizes. LCR-Reader™ gives a unique way to sort and evaluate loose components and to perform on-board measurements and debugging. Gold-plated tweezer probes are able to reliably grip and make contact with even the smallest SMD components.

Automatic component identification simplifies measurements tremendously. LCR-Reader™ displays component type and simultaneously shows the secondary impedance parameter, such as parasitic resistance for capacitors and inductances. Automatic frequency selection guarantees the best test frequency based on a components type and value.

The compact, light-weight ergonomic design and bright OLED display allow the user to take measurements with one hand while focusing their attention on the tested component. A 4-wire shielded connection to the LCR-Reader™ tweezer probes ensures low parasitic offsets.