



LI1000 - HIGH CURRENT INDUCTANCE ANALYSER

INDUCTANCE AND SATURATION MEASUREMENT UP TO 1000A

The LI1000 offers the possibility to identify the inductance characteristic of a choke over a wide current range with only one measurement. This method easily allows to verify the inductance and saturation behavior as well as the resistance.

The LI-Control software provides an easy and intuitive handling to setup and start a measurement. The measurement results and calculations of current, voltage and inductance are shown as graphical curves. The data can be exported to a file or summarized in a report.

3-phase chokes can also be tested with manual reconnection or with automatic switching by using our optional 3-phase extension unit.

APPLICATIONS

- Power choke and coil testing
- Industrial production test
- Research and development
- Magnetic circuit design
- Maintenance and repair

KEY FEATURES

- Inductance measurement with high pulse current
- Resistance measurement
- Up to 1000A and 1250J
- PC controlled desktop device
- USB & Ethernet interface
- Data export as Excel / CSV file

KEY BENEFITS

- Easy-to-use and compact size
- Simple saturation measurement
- High measurement current
- System integration possible
- 3-phase measurement as option

LI1000

Technical Specifications

Pulse Voltage	10V to 450V
Maximum Pulse Energy	1250J
Maximum Current	1000A
Current Measurement Ranges	1000A, 500A, 200A, 100A, 50A
Resistance Measurement Ranges	2000mΩ, 200mΩ, 20mΩ
Current Measuring Accuracy¹	± (0.10% + 0.10%)
Voltage Measuring Accuracy¹	± (0.10% + 0.10%)
Resistance Measuring Accuracy¹	± (0.15% + 0.30%)
Interfaces	USB and Ethernet
Safety Features	Connection for external emergency stop, safety circuit, warning lamps
Power Supply	90-260V, 50-60Hz
Dimensions (WxHxD)	449 x 133 x 495mm (19", 3U)
Weight	12kg

¹ Accuracy notation: ± (% of reading + % of range)

Ordering Informations

Article	Order number
LI1000 High Current Inductance Analyser	LI1000
Included Accessories	
• Test leads for sense and force connections	
• USB and Ethernet cable	
• Mains cable	
• Safety circuit plug	
• Instruction manual	
• Software on USB-stick	
• Calibration certificate	
Optional Accessories	
3-Phase Extension	LI-3PH1
Safety circuit plug	ACC-SCP1
Warning Lamp	ACC-WL1
Kelvin Test Lead Set, up to 400A	LI-KTL400A
Kelvin Test Lead Set, up to 1000A	LI-KTL1000A



SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies and measuring instruments. Experts in electrical testing and automation, our company offers a broad range of high-performance full-service testing solutions and measuring instruments. We provide clients in the automotive, aerospace, energy and traditional industry sectors with the equipment they need to test high power components, such as chokes, transformers and electric motors.