

LC-TRACK

Leakage Current Recorder

The Leakage Current Recorder is an instrument specially designed for measuring insulator leakage currents in order to predict pollution levels on specific insulators and determining optimum maintenance cycles for specific areas. The recorded data is stored on a SD memory card (secure digital) and can be imported to a computer and then analysed using dedicated software. The leakage currents (1 – 1000 mA) are measured at a sampling frequency of 2 kHz and the highest value over a preset time interval (1 – 60 minutes) is logged as the I-Highest value. These values are time stamped and stored on the SD memory card.

LC-TRACK

Measures I-Peak

2kHz Sampling Rate

Records Peak Values

1 Mb Memory

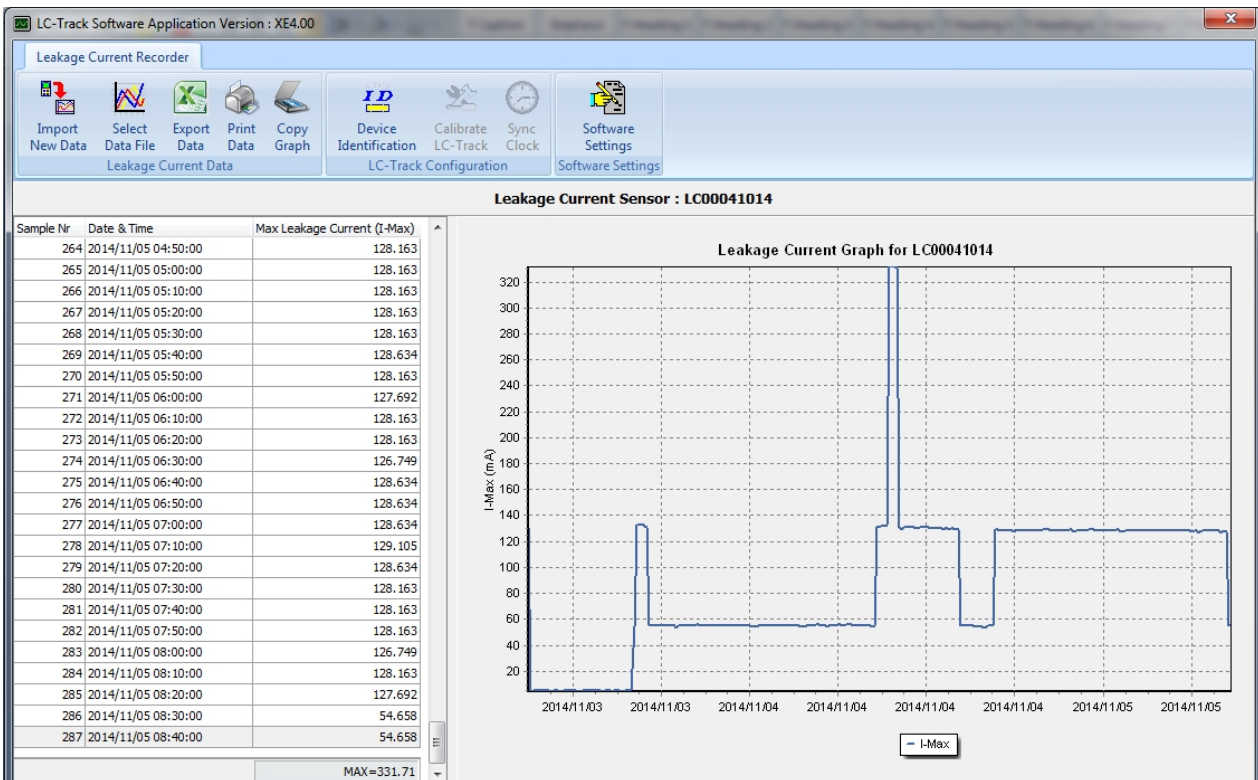


Power Source

The LC-Track is designed to run as a standalone unit using ultra low power processes and has therefore a very low energy consumption. The power source to the unit is provided in the form of 3.6V batteries. The battery powered supply ensures that the unit is fully isolated and will keep the recorder running for at least 6 months after which one needs to test or replace the batteries.

Software

Windows 8 compatible software enables the user to interpret the stored data and import the data from the SD card to a computer. The software displays the data in a spreadsheet type display as well as full graphical representation. Export functions provides the functionality to export data to the Excel spreadsheet format and the graphs to the windows clipboard.



Additional Protection

The Leakage Current Sensor in its of the shelf state can be installed in the field without any protection or any extra enclosures, but each site needs to be inspected and further protection needs to be added when dealing with severe weather and pollution conditions.

Specifications

LC Sensor Supply	Battery Operated	5 x 3.6 V Cells
	Battery Type	Size AA Li-SOCl ₂
	Nominal Power Consumption	14 mA/h
	Accuracy Class	Class 1
Measurement	Sampling rate	2 kHz
	Recorded value	Peak current
Memory	Storage capacity	60000 Samples
	Memory type	SD card
	Recording Interval	10 minutes
Enclosure	Aluminium Enclosure	140x110x65 mm
	Rating	IP66