

LIFEVIEW® Mobile

Analyser

An online portable instrument designed to improve the reliability and give a detailed condition summary of your electrical rotating machines.

The LIFEVIEW® Mobile is a lightweight portable electrical test instrument which can be used to monitor online partial discharge (PD), two pole generator rotor air gap flux or shaft voltage provided the relevant sensing equipment has been installed. The LIFEVIEW Mobile connects to pre-installed sensors and the provided laptop captures the rotating machine insulation condition data from the analyser. One of the key benefits of the equipment is that it can be used with the electrical machine online, meaning the crucial saving of outage downtime.

Key Features

- 3 channel PD monitoring
- Advanced interference filtering capabilities
- Gain configuration options to allow for connecting to most PD sensors
- Shaft voltage monitoring
- Rotor leakage flux monitoring
- Auto report function
- PD Calibrator (QCAL) included
- Provides snapshot indication of rotating machine condition



The LIFEVIEW Mobile Monitors:

- Partial Discharge
- Shaft Voltage
- Air Gap Flux

Compatible for use on:

- HV Generators
- HV Motors

#InnovativeProductsforRotatingMachines

Technical Specification

Data Acquisition

- Partial Discharge: 3 channel, measurements in accordance with IEC 60270 & IEC 60034-27-2
- Shaft Voltage: 2 channels
- Air Gap Flux: 1 channel
- Synchronisation Sources: Internal, External, Phase 1, Phase 2, Phase 3
- Partial Discharge low cut off frequencies: 100kHz, 500kHz, 1MHz, 2MHz
- Partial Discharge high cut off frequencies: 1MHz, 10MHz

Interfaces

- Power Supply: 100-240Vac
- Frequency: 50/60Hz
- Maximum power: 15W
- Maximum current: 150mA
- USB: 2.0

Environment

- Operating Temperature: 0-60°C
- Relative Humidity: 10-90%
- ATEX/IECEX Rating: Safe area only

Mechanical Dimensions

- Carry Case Dimensions: 510mm (W) x 670mm (L) x 270mm (H)
- Weight: 20kg

Software

Q4100 Software package including:

- Partial Discharge: Phase resolved PD patterns displayed in a phase or time reference mode
- Partial Discharge Values: Apparent charge (Qm, Qapp)
- Shaft Voltage waveform display including harmonic orders
- Shaft Voltage and current measurement displaying maximum and RMS values
- Air gap flux leakage flux display with integrated total flux and normalised difference between rotor coils

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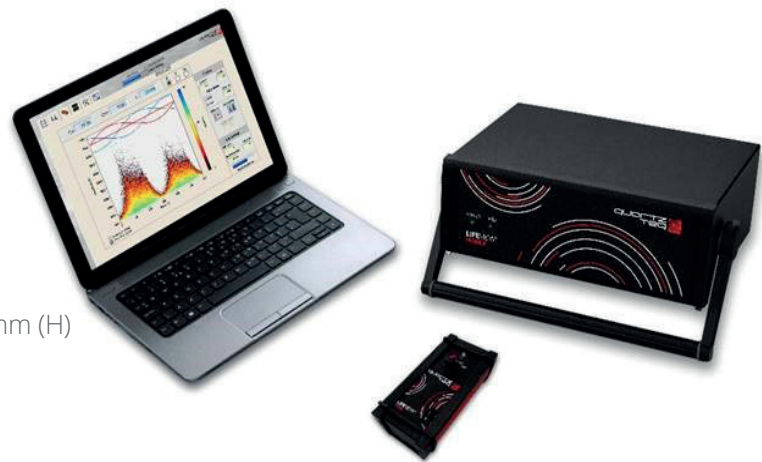
Why LIFEVIEW Mobile?

- Compatible with almost any sensor
- Measure PD
- Portable instrument
- Specifically engineered for online rotating machine partial discharge analysis
- Auto-Report PD phase resolved patterns

Order Code

Q4100: LIFEVIEW Mobile kit for periodic online monitoring; includes:

- Laptop, analyser, QCAL, cables, accessories and transport case



Key Contact Information

To request a quotation or further information please contact

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