

The Lifeview[®] Analysers

ASSET

SENSOR

ANALYSER

QUARTZ
eLeC

Lifeview[®] Live

A permanent installation, continuously monitoring the health of your high voltage machines.

Quartzteq has developed a range of analysers offering owners and operators of HV motors and generators solutions for either permanent or portable monitoring.

Lifeview Live; designed for those critical assets, continuously monitoring a machine on-line, throughout its operational life.

With permanent access you can instantly review PD or rotor status, allowing maintenance to be meticulously planned. A trend is automatically updated with each measurement taken, clearly showing the evolution of PD levels or further information regarding rotor and stator insulation status. Remote access features enable expert and user access anytime, anywhere.

A modular solution, Lifeview Live offers the benefit of additional modules to expand the system and monitor shaft voltage, air gap and endwinding vibration.

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Features

- 24/7 monitoring
- Automatic measurement
- Live PD and shaft voltage trending
- Remote access via RJ45 ethernet connection
- 4 NO/NC relay outputs
- 4 Active 4-20mA outputs
- Stores up to 12 years of PD measurements
- Compatible with all Quartztec sensors as well as PD couplers from other manufacturers

Technical Specification

Data Acquisition

Standards:	IEC60270 & IEC TS 60034-27
Partial discharge:	3 channels
Shaft voltage:	12 channels
A/D converter resolution:	16 bits – Y-axis normalised in [pC] or [nC]
Real Time Processed Pulse Repetition Rate:	50kS/s
PD cutoff frequency:	Low: 100kHz, 500kHz High: 500kHz, 1MHz, 10MHz

Interface

Relay Output:	4 NO/NC Channels
Analog Output:	4 Channels, 4-20mA
Ethernet/LAN:	RJ45

Software

Graphical user interface for:

- partial discharge trend // partial discharge patterns
- various display options for crosstalk and phase to phase PD recognition
- calculation of apparent charge according to above IEC standards
- instrument acquisition control panel



Power Supply

Power supply:	100 - 240V AC // 50-60Hz
Operating temperature:	0 to 45° C
Humidity:	10% to 90%

