

The Lifeview[®] Analysers

ASSET

SENSOR

ANALYSER

QUARTZ
eLeC

Lifeview[®] QTD

A portable monitoring device for measuring PD and Tan Delta

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

As part of a planned maintenance program, the Lifeview QTD enables you to monitor both the PD and Tangents Delta (Loss Factor) of your winding insulation. With a built in PD coupler, designed to make measurements up to 20,000V and three switchable measuring ranges, the Lifeview QTD is an essential tool to monitor the ageing of your rotating electrical plant.

Either fully supplied to you with the benefit of detailed training, or available to you as a service with our experienced engineers providing the analysis you need.

24 Hr Support
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www.quartztec.com

QUARTZ
TEC 

Features

- Built in PD coupler
- Rate up to 20kV
- 3 switchable measuring ranges
- Measures Tangents Delta in both grounded and ungrounded modes
- Automatic report generation

Technical Specification

Data Acquisition

Standards:	IEC60270 & IEC TS 60034-27
Partial discharge:	1 channel
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
Capacitance range:	2nF .. 10µF
Loss factor range:	10 ⁻⁵ .. 1000 exponential
Voltage Range:	500V .. 24kVrms
Frequency Range:	10 .. 100 Hz
Current Range:	100mA, 1A, 10A selectable
Max. Voltage Rating:	28kV peak

Software

Graphical user interface for:

- partial discharge patterns
- calculation of apparent charge according to above IEC standards
- tangents delta measurement
- capacitance, voltage and current measurement
- instrument acquisition control panel



Power Supply

Power supply:	5V DC // 1A
Operating temperature:	0 to 45° C
Humidity:	10% to 90%

