



ASSET

SENSOR

ANALYSER

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The Lifeview[®] Analysers

Lifeview[®] PDA

Compact and cost efficient partial discharge analyzer (PDA) for all HV rotating machines.

LIFEVIEW[®] PDA is a true watchdog and trending device for a machine's insulation system, monitoring the deviation of the insulation condition from an expert assessed state, taken during commissioning of the device.

The Lifeview PDA complements the alternative Lifeview Products which can offer more in-depth analysis options and can be an indispensable tool in planning, life-time extension and preventative maintenance programs, serving to reduce unscheduled, expensive failures and outages.

As with all Lifeview products, Lifeview PDA fully integrates with existing third party sensors, thus eliminating all need for additional investments and down-time.

Unique features include; easy to understand data/ results, pre-set warning thresholds, programmable filters for use in noisy environments and simple analogue (4-20mA, relays) connections to the SCADA or DCS system make the Lifeview PDA an ideal solution for operators looking for low-cost, user friendly PD monitoring without complex software.

24 Hr Support
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www.quartzteq.com

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Why Lifeview PDA?

- | Integrates into a customer's control system via 4-20mA and relay outputs.
- | 100 day trend on local display, with memory for up to 30 years storage of trend data.
- | PD measurements can be easily downloaded by customer/operator and emailed to a Quartzteq Centre of Excellence for analysis.
- | Can be supplied in an Ex enclosure for hazardous area installations.



Technical Specification

Data Acquisition

Partial Discharge	3 multiplexed channel
Sampling rate	50kS/s
Resolution	10 bits
Selectable High Pass Filter	100kHz, 500kHz, 1MHz, 2MHz
Selectable Low Pass Filter	1MHz, 10MHz

Interface

Power supply	5 - 60VDC or 100-240VAC, 50-60Hz
Relay Output	max 2A, max 250VAC, max 60 W
4..20mA Output	1 channel : 12V Active, or passive

Applicable Standards and operating conditions

Operating Ambient temperature	-10°C to +60°C
Storage temperature	-20°C to +80°C
Humidity	10 % to 90 %, non condensing
Area classification/Protection Class	Depends on enclosure, IP55, Safe area installation
Applicable Standards	IEC60270 & IEC TS 60034 – 27

Mechanical Dimensions

Dimensions	270 x 220 x 160 mm
Weight	4 kg

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