

# LIFEVIEW QCAL

## Accessory

*An offline calibrator for the calibration of Partial Discharge (PD) measuring chains according to International Standard IEC 60270.*

The LIFEVIEW® QCAL is a simple to use battery powered offline calibrator. The equipment's sophisticated design allows the user to calibrate your PD measurement system at various charge values. The QCAL is designed for calibrating at 500pC, 1nC, 3nC and 10nC, ensuring Rise Times of less than 60ns, covering the range of PD charges you would likely expect to analyse. Communication with the device is established through Banana Connectors.

## Key Features

- Lightweight and hand held
- Easy connectivity
- Conforms with IEC 60270
- Selectable Charges of 500pC, 1nC, 3nC & 10nC
- Battery (9V) operated
- Fast (<60ns) Rise Time



### Compatible for use with:

- LIFEVIEW PD Analysers (Online & Offline)
- 3rd Party PD Analysers

### Applications:

- Calibration of PD measurement circuit on HV motors and generators

#LIFEVIEWConditionMonitoring

# Technical Specification

## General Specifications

- Impulse Rise Time : <5ns
- Impulse Voltage: 1.5-20V depending upon the selected Impulse Charge setting
- Impulse Charge, selectable:
  - 500pC
  - 1nC
  - 3nC
  - 10nC
- Output connectors: Banana plug
- Error: <5%
- Output Frequency: 470Hz

## Environment

- Operating temperature: 0 - 50°C
- Relative humidity: 5-85%, non condensing
- Hazardous area ATEX/IECEX rating: Safe area only

## Mechanical Dimensions

- Weight: 460g
- Dimesnions: 78mm (W) x 150mm (H) x 17mm (D)

## Interfaces

- Power supply: 9V DC PP9 battery

## Why QCAL?

- ▮ Designed for Calibrating PD Test equipment per IEC 60270
- ▮ Easy Selectable Impulse Charges
- ▮ A truly light weight and portable option

## Order Code

### QCAL

#### Includes:

- ▮ LIFEVIEW QCAL Partial Discharge Calibrator
- ▮ Test leads, crocodile clips and battery



Quartzteq GmbH reserves the right, without further notice, to change the product specifications and/or the information contained in this document for improvements of the product

## Key Contact Information

To request a quotation or further information please contact

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