

# LIFEVIEW QRC40

## Sensor: Rogowski Coil

*The smaller QRC40 Rogowski Coil sensor is designed to measure Partial Discharge (PD), particularly in a Hazardous environment.*

The LIFEVIEW® QRC40 sensor is used to measure high frequency current pulses generated by PD emanating from the breakdown of electrical insulation in High Voltage (HV) machines.

It is an ideal non-intrusive sensor for installation around HV power cables and bushings, and is perfectly suited for installation where space is limited. This sensor is also suitable for installation in safe areas.

### Key Features

- Suitable for Ex applications (Ex eb IIC T5 Gb, Tamb -20°C or -30°C to +85°C)
- Small sensor for easier installation
- Installed 1 per phase on the line terminals
- For use with LIFEVIEW PDAII, Mobile & 3rd party monitors
- 40mm internal diameter
- The QRC sensor clips around terminals - no need to disconnect cables during installation
- Supplied with 20m integral coax cables for each phase
- Ideally suited for machines with Euromold Terminals
- May be fixed in place using 6-off M6 fixing holes on the rear of the unit



#### Compatible With:

- LIFEVIEW PDA II
- LIFEVIEW Mobile
- LIFEVIEW Live
- Other compatible PD monitoring system

#### Applications:

- HV Generators
- HV Motors
- Ex Applications

#LIFEVIEWConditionMonitoring

# Technical Specification

## General Specifications

- Primary Current: 2000A max.

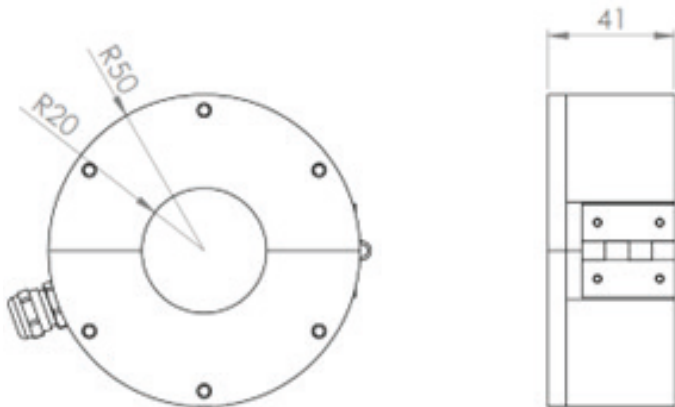
## Environment

- Operating Temperature: -20°C - +85°C
- Operating Temperature: -30°C - +85°C (with alt. cable gland)
- Hazardous Area ATEX/IECEX rating: Ex eb IIC T5 Gb

## Mechanical Dimensions

- Outer Diameter: 100mm
- Inner Diameter: 40mm
- Weight (With 20m integral cable): 1.5kg

## Technical Drawings



## Why QRC40?

- Hazardous or Safe area PD Sensor
- The QRC sensor clips around terminals - no need to disconnect cables during installation
- Central aperture accommodates 40mm diameter cable or bushing
- Installed 1 per phase on the line terminals

## Order Code

### QRC40 Kit

#### Installation Kit Includes:

- 3 x QRC40 Rogowski coils (with 20m integral coaxial cable and Ex approved connectors)
- 1 x roll self-amalgamating tape
- On request: Silicone packing pieces with an internal diameter of 18mm or 31mm

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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