

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.

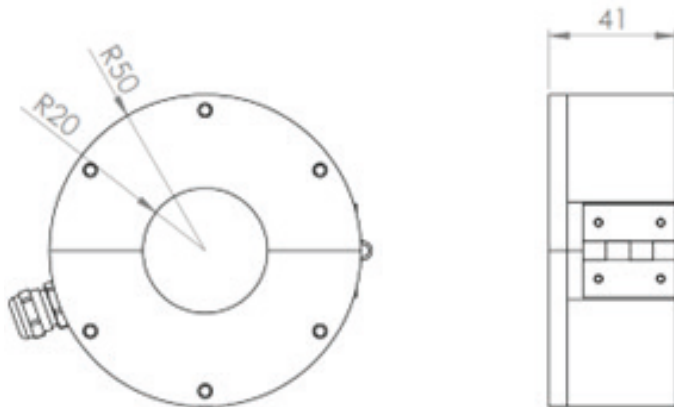
Environment

- 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

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