

ENERGY

WE ENERGIZE
THE WORLD

gridpulse® VIBRATION

UNLEASH ADVANCED
VIBRATION MONITORING

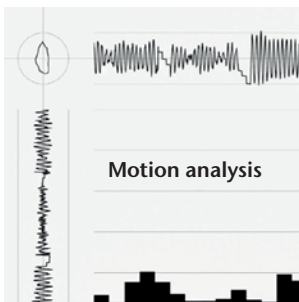


GRIDPULSE
KNILL GRUPPE

VIBRATION MONITORING

REAL-TIME MOTION DETECTION

VIBRATION



Technical Data

| | |
|--------------------------------|-------------------|
| Max. outside dimensions | 200 x 150 mm |
| Max. weight | < 600 g |
| Conductor diameter range | 15 - 45 mm |
| Housing material | Coated polyamid |
| Vibration performance | acc. to IEC 61897 |
| Ambient temp. range | -40°C to +85 °C |
| Voltage level | up to 600 kV |
| Power supply | self-harvesting |
| Min. operational current | 50A |
| Measurement sample rate | up to 400 per sec |
| Communication | GSM (LTE-M) |
| GPS localization and time sync | integrated |
| Frequency analyzer | up to 100 Hz |

Gridpulse d.o.o.
Riharjeva ulica 38, 1000 Ljubljana, Slovenia
Phone +386 1 236 42 40
info@gridpulse.com
gridpulse.com

Unmatched Precision in Motion Analysis

The Gridpulse Vibration Sensor is a unique solution for evaluating vibration properties and dynamics directly on the conductor. Leveraging advanced technology, this sensor redefines the standards of motion monitoring with its exceptional features.

Real-time monitoring: Gain unparalleled insight into the high dynamics of vibration with real-time monitoring, enabling timely responses to changing conditions.

Autonomous power supply: Ensure continuous and reliable monitoring without external dependencies with auto-nomous harvesting.

Time series database: All measurements are seamlessly stored in a time series database, ready for in-depth analysis to uncover valuable patterns and trends.

Understanding of conductor behaviour: Comprehensive analysis of vibration in all three axes, providing a holistic understanding of conductor behaviour.

Frequency and amplitude analysis: Exceptional measurement rate, enabling precise frequency and amplitude capture with the highest accuracy.

Easy installation: Designed for efficiency, this sensor allows quick and easy installation on the line, minimising downtime and optimising deployment.

Safety and reliability: Improve infrastructure reliability and safety through comprehensive vibration analysis to gain a detailed understanding of conductor vibration.