

**new**

## Temperature measuring system

**PT1000 sensor with wireless data logger, USB flash drive receiver and monitoring software**



### Scope of delivery

- PT1000 sensor with silicone coated cable, standard length: 3m (other lengths on request), with M12 plug for data logger
- Wireless data logger with antenna
- USB flash drive receiver with antenna and 1m extension cable
- Wake up magnet for data logger
- Monitoring software

### Why temperature measurement?

- Information available regarding lifetime of the gearbox
- Lifetime extension of the gearbox and prevention of sudden gearbox failures
- Cost savings through prevention of unplanned machine stops
- Determination of oil temperature and oil condition
- Immediate reaction to thermic influences: timely maintenance measures (oil changes, change of the seals, replacement gearbox)

### Advantages

#### Reliable and efficient measures

- Measurement of ambient and oil temperature in one system
- Very high accuracy
- Real-time transmission of data and wireless download of the recorded data
- Transmission through walls
- Real-time alert on the PC (by acoustic signal and by email)

#### Usability

- Great battery life
- Large data storage capacity
- Batteries easily replaceable by the user

#### Compact and robust

- Miniature and easy to fix
- No cables or connectors
- Can be moved at will

**new**

# Temperature measuring system

**PT1000 sensor with wireless data logger, USB flash drive receiver and monitoring software**



## Features

### PT1000 sensor

- Operating temperature: max. 200°C (silicone coated cable)
- Sensor with thread to fix securely on housing
- PT1000 + cable: protection class IP68

### Wireless data logger

- Operating temperature: -40°C bis +85°C
- Size: 98 x 64 x 34 mm
- Memory capacity: 32.250 measures (download possible anytime)
- Protection class: IP65
- CE certification
- Frequency band ISM (Industrial, Scientific, Mechanical): certification for Europe (868 MHz), North America and South America (915 MHz); other countries possible (have to be certified)
- Battery autonomy: up to 3 years (at 25°C ambient temperature and with a frequency measure of 15 minutes)

### Monitoring software

- Live measurement of the oil temperature (sensor) and ambient temperature (logger)
- Live mode: to check the operation of the logger (live graphics and live alert, no retention of the measured values)
- Record mode: only recording, no live alert
- Monitoring mode: live monitoring with measurement report, live graphics and live alert
- Evaluation of the measurements in Excel and PDF files
- Alarm threshold manually adjustable (pre-alarm and main alarm)
- Alert by acoustic signal and by e-mail

## Contact and more information:

### Contact person:

Jens Kehrer

Product Management

Phone: +49 (0) 7157 123-134

E-Mail: [Jens.Kehrer@graessner.de](mailto:Jens.Kehrer@graessner.de)



# THE GEAR COMPANY



MS-Graessner GmbH & Co. KG · Kuchenäcker 11 · D-72135 Dettenhausen

Phone: +49 (0)7157/123-0 · Fax: +49 (0)7157/123-212 · E-Mail: [mail@graessner.de](mailto:mail@graessner.de) · [www.graessner.de](http://www.graessner.de)