
PRESS RELEASE

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MS-Graessner introduces its new temperature measurement system

PT1000: Nothing is left to chance.

(MS-Graessner) The condition of transmission fluid is a decisive factor for the functionality and ultimately also the service life of every transmission. As a transmission specialist with decades of experience, MS-Graessner now offers its new PT1000 temperature measurement system, which allows for reliable oil temperature measurement throughout the production process. The PT1000 therefore meets Industry 4.0 objectives: Hereby, a self-optimisation of transmission is achieved by means of informatisation, and resource efficiency levels across the entire lifecycle are significantly improved.

Put the oil to the test: Precise temperature measurement

As of now, the new PT1000 temperature measurement system can be used, alongside a probe, wireless data logger, USB receiver and monitoring software, providing a comprehensive measurement instrument. A precision analysis allows conclusions to be

formed in respect of the oil condition and the remaining oil service life in transmissions. In this way, you are safe from any unpleasant surprises and can respond to thermal influences, both immediately and proactively. When changing oil, the replacement of seals through to changing gears allows for appropriate action to be taken in order to avoid

the worst case scenario, namely transmission failure and production downtime.



PT1000 - a precisely coordinated overall system.

The PT1000 is designed to be able to measure ambient and oil temperatures in systems. The measurement system is thereby characterised by particularly high levels of accuracy. The data transfer works wirelessly and without delay, as does the query for stored measurement readings. And should a measured reading reach a critical level, a live alarm on the PC will sound with immediate effect - acoustically as well as by email. With its compact and robust design, the PT1000 can be easily integrated, while its long battery life, which can

also be exchanged without difficulty, ensures that it remains particularly user-friendly.

Measurement readings which set standards.

The measuring range (oil sump temperature) of the PT1000 probe is set at a maximum of 200°C. The compact wireless data logger can comfortably handle temperatures ranging from - 40°C to + 85°C and the storage capacity can handle 32,250 time-stamped measurements. The monitoring software shows the live measurement of the oil temperature by using the probe and the ambient temperature by means of the data logger. An evaluation of the measurement results can be simply carried out by well-arranged Excel and PDF files.