Maintenance products
Condition Monitoring
Rolling bearings

GreaseCheck

Grease condition monitoring

SCHAEFFLER

GreaseCheck – grease condition monitoring

MAINTENANCE PRODUCTS

Product characteristics

- Continuous grease condition monitoring using an optical measurement method
- Monitoring of water content and contamination with solid materials
- Compact design
- A range of interfaces (analog, digital, CAN bus)
- IP 67 classification

Customer benefits

- Optimized use of lubricant
- Bearing damage prevented by requirement-based lubricant replacement
- Monitoring of difficult-to-access bearing positions by means of online monitoring
- Increased machine availability

Applications

Monitoring of grease-lubricated bearing supports in sectors including wind power, mining and processing, cellulose, and paper

Description		Unit	Value
Description	Grease deterioration	%	0 to 100
	Water content	%	0 to 100
	Temperature	°C	–20 to + 80
Analog output	Grease deterioration	mA	10 to 4
	Water content	mA	14 to 20
Digital output		VDC	0 or 24 (min. 3 to max. 150mA)
CAN bus connection		–	via standard protocol
Operating temperature range of sensor		°C	–20 to + 80
Bearing temperature range		°C	–20 to + 100
Degree of protection	Complete system	IP	67
	Sensor head	IP	67
Power supply		VDC	24 +/–20 %
Current consumption	Mean – maximum	mA	43 – 250
Weight	Evaluation unit	g	310
	Sensor head	g	40
Dimensions	Length/width/height of evaluation unit	mm	100/65/45
	Sensor head Diameter/length	mm	5/48
Cable length	Sensor head	mm	800
Mounting dimensions Evaluation unit	Length/width bore diameter	mm	90/110 M4

Detailed information can be found in TPI 234

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