GreaseCheck
Grease condition monitoring
GreaseCheck – grease condition monitoring

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Grease deterioration %</th>
<th>0 to 100</th>
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<tbody>
<tr>
<td>Water content %</td>
<td></td>
<td>0 to 100</td>
</tr>
<tr>
<td>Temperature °C</td>
<td></td>
<td>-20 to +80</td>
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</tbody>
</table>

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
- Sensor head length mm 800

Mounting dimensions
- Evaluation unit Length/width bore diameter mm 90/110

Detailed information can be found in TPI 234
Every care has been taken to ensure the correctness of the information contained in this publication but no liability can be accepted for any errors or omissions. We reserve the right to make technical changes.

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