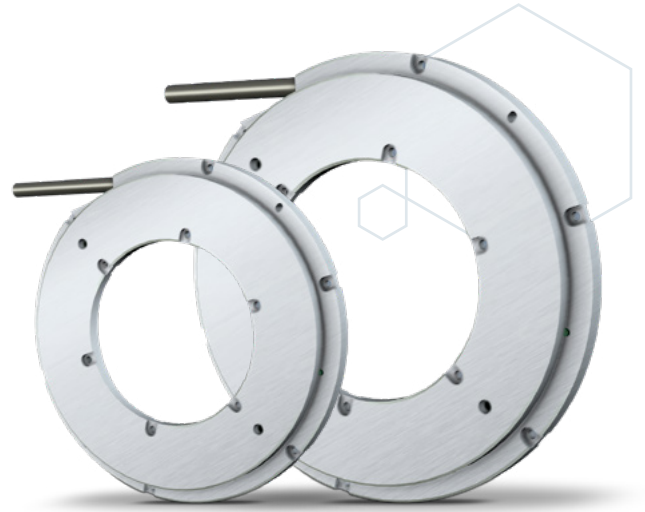


Singleturn Encoder Kit

Precise and dynamic positioning

Thanks to precise angle measurement and low latency times, the GEL AEK10 encoder kit is ideal for position detection in dynamic applications with high accuracy requirements. The system consists of a flat stator and rotor. The inductive measuring principle ensures reliable operation even under difficult environmental conditions, as dust and liquids do not affect the measuring signals. The large hollow shaft also makes it easy to feed through cables or other components.



Your advantages

- Optimal control characteristics for dynamic applications
- Insensitive to dust and liquids
- Robust against magnetic fields
- Flat design enables easy integration into compact installation situations
- Maintenance-free and wear-free as bearingless system
- Intuitive set-up and parameterization with SensorDEVICE M

Product features at a glance



Inductive measuring principle



Magnet-free



System accuracy up to 5°



Various interfaces



Low latencies



Large hollow shaft

Quick installation. Simple commissioning. Reliable operation.



The encoder kit is easy to set up and parameterize with the mobile service unit SensorDEVICE M. The intuitive software provides support during commissioning and servicing. This saves valuable time and ensures reliable operation.

GEL AEK10

Product information

Technical data

Geometric data

Outer diameter	90 to 200 mm / 3.54 to 7.87 inch
Inner diameter	30 to 120 mm / 1.18 to 4.72 inch
Air gap	1.5 to 2 mm / 0.06 to 0.08 inch

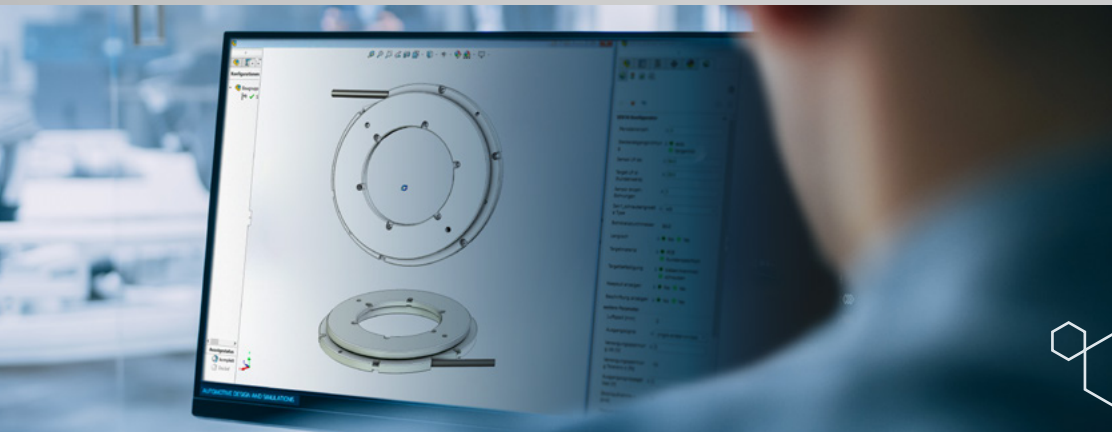
Electrical data

Supply voltage U	5 V DC
Current consumption without load	< 30 mA
Interface	Mitsubishi (MHSSI), BiSS-C, SSI + 1 V _{pp}
Accuracy	Up to 5"
Resolution	Up to 24 bit
Latency	< 10 μs
Maximum permissible rotational speed	≤ 15,000 min ⁻¹

Mechanical data

Housing material	Aluminum
Weight	< 300 g / 10.58 oz
Operating temperature range	-40 °C to +125 °C / -40 °F to 257 °F
Degree of protection	Up to IP 67

Whether standard or customized solution: Talk to us.



For greater flexibility in machine design, we also offer customized variants with individual product features in addition to standard products. Our in-house CAD department supports you in integrating our sensor solutions into your applications.

Talk to us about your project: www.lenord.com | info@lenord.de

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+BAUER** *Finding solutions.
Founding trust.*