



RESOLVERS
FOR POSITIONING



Bergbau, Sprenglochbohrmaschine, LTN

ROBUST RESOLVER SOLUTIONS OFFER MAXIMUM OPERATIONAL RELIABILITY IN DEMANDING POSITION DETERMINATION

Today's modern machines have ever-increasing functionality and are therefore increasingly equipped with electronic controls, corresponding operating technology and sensors. Positioning systems with displacement and angle sensors enable every change in position to be recorded and complex processes to be monitored and controlled ever more precisely and comprehensively. However, as the range of applications for sensors increases, so does the complexity of the technical requirements placed on them. The robustness and availability of the machines are of central importance.

In this area in particular, resolvers offer an extremely robust alternative to conventional encoders.

When the going gets tough: Resolvers from LTN

RESOLVERS



MANUFACTURER OF TAILORED RESOLVER SYSTEMS

FEATURES: PRODUCT GROUP RESOLVER RE-15

- Simple design with only a few mechanical components and no electronics
- Reliable measuring method for absolute position detection
- Guarantee of good signal transmission even over long distances
- Very high repeat accuracy
- High resistance to rotational acceleration
- Speed limits of up to 25,000 rpm
- Resistance to shocks, vibrations, dust and moisture
- Usable over a temperature range of -55°C to +155°C
- Suitable as reliable measuring devices in highly radioactive environments



RE-15-1-G01 (design example)



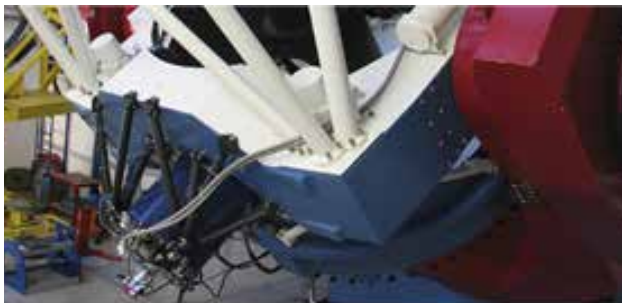
-55°C



+155°C



50G / 100G
vibration / shock



e.g. X-ray



100m
electronic control unit



LTN offers its resolvers for integration in working machines in a wide range of diameters. Therefore bore requirements diameters in the rotor of up to 100 mm can be realized; modular or self-mounted resolvers can be used flexibly according to customer requirements, even in the most complex installation conditions, as integrated systems (e.g. installation in a rotating shaft) or as add-on components.