

Assembly and installation instructions

Hohner rotary encoders can be used both in simple industrial applications, as well as toughest environmental conditions, depending on the type and design.

The precision and optoelectronic components used in an incremental or absolute encoder today no longer present a problem regarding the above-mentioned applications. However, in order to ensure proper functioning of your rotary encoder, the following assembly and installation instructions should be observed:

Electrical:

- ▶ When wiring or pulling the plug, it is essential to ensure absence of voltage.
- ▶ Static discharges at the connections may cause damage.
- ▶ The shielded cable must be connected to the PE in the control cabinet (the shield is not connected in the device, i.e. unilateral shielding).
- ▶ Unused cables should be connected on a floating basis isolated from each other.
- ▶ Do not lay the encoder cable parallel or near the load lines.
- ▶ The tests carried out according to the certificate of conformity were performed in the standard version with 2 m cable.

Mechanical:

- ▶ It is imperative to avoid blows to the shaft.
- ▶ The maximum shaft load may not be exceeded.
- ▶ An axial or radial shaft misalignment must be compensated through suitable measures, such as through the use of couplings, torque supports, belt drive, or similar.
- ▶ The device may not be mechanically modified.
- ▶ When using hollow shaft encoders, a distortion-free installation should be ensured.

These are just some instructions for which observance thereof can avoid problems during the application of encoders. Should any questions arise during the assembly or installation of Hohner rotary encoders, our expert staff will be at your disposal with advice and practical support.

