Sensors in stainless steel

Absolute encoder with stainless steel housing from TR Electronic withstand aggressive environments.

From now on, the proven series of absolute encoders from TR Electronic is also available in a stainless steel housing! Because special environments require special materials: The C__582 encoders retain their tried and tested geometry and thus also fit into the usual installation spaces as a resistant stainless steel variant.

The encoder made of stainless steel 1.4404, AISI 316L is designed for use in aggressive environments: The surface is smooth, as status information and reset function are integrated into the software and the nameplate data is permanently lasered into the stainless steel surface. The uniform connector connection pattern on the side away from the shaft and a simplified flange/shaft geometry also minimize the contact surface for liquids and dusts. The encoder is available with a degree of protection up to IP 67, which also allows the encoder to be washed down.

TR offers optical sensing up to 18 bit resolution within revolution with true multi-turn gearing that reliably senses revolutions in any operating condition.

The actual values are transmitted via Industrial Ethernet (PROFINET, EtherCAT, Ethernet/IP). These interfaces offer extensive transmission options: Position and speed or rotational speed are available in real time; there is also extended status data for additional evaluations.

With the standardized connectors, the user has access to a wide range of pre-assembled cables. Different sheath materials are suitable for different classes of materials. Thus, TR Electronic also has special solutions for special environments.

- Absolute encoder compatible with 58 industrial standard.

- Stainless steel 1.4404, AISI 316L

- Solid shaft, 10 mm with flat

- standard flange

    - centering collar Ø 36 mm for clamp mounting

    - with threads on the face

    - for clamping claws or servo clamps

- Industrial Ethernet PROFINET, Ethernet/IP, EtherCAT

- 18 bit resolution per revolution, 4096 true absolute revolutions

_ Tightness up to IP 67

_ encoder with minimized contact surface for aggressive media

https://www.tr-electronic.com/p/K-COV58_2-___-1

TR Electronic encoders in stainless steel housing withstand harsh environmental conditions.