

RAU200 split absolute angular time-grating displacement sensor (202312)

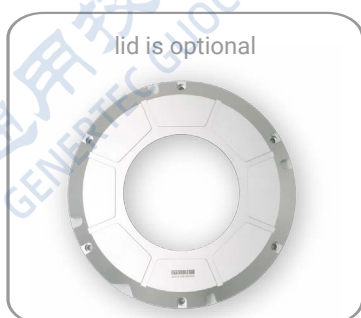
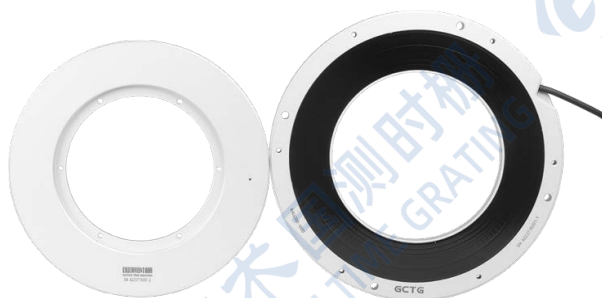
1.Product overview

RAU200 split absolute angular time-grating displacement sensor is an angular displacement sensor with a protective housing. It has the characteristics of high accuracy, highly dynamic performance, and absolute measurement. The product has two accuracy levels of $\pm 1''/\pm 2''$, the default resolution is 26bit, and the communication protocol supports BISS-C and SSI.

2.Installation instructions

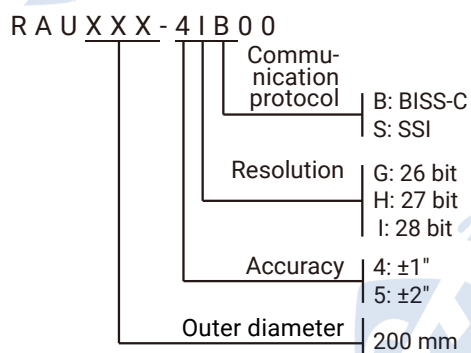
RAU200 split absolute angular time-grating displacement sensor has an outer diameter of 200mm, an inner diameter of 100mm, and a thickness of 36mm. To obtain optimal accuracy, the mounting surface must meet the flatness and height discrepancy requirements of the sensor, and ensure the angular time-grating displacement sensor concentricity of the stator and rotor with regard to the rotation axis. The installation sequence is to install the stator first, then the rotor, and finally the shell.

■ RAU200

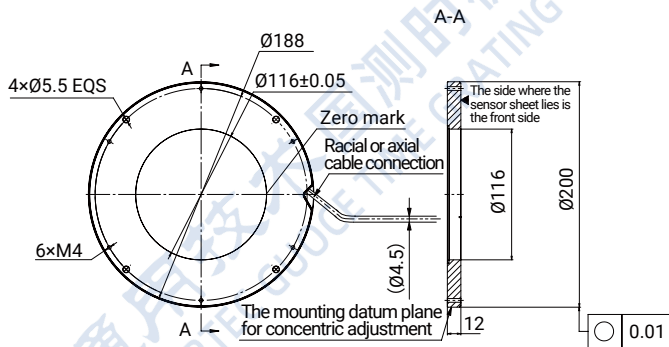


- High precision
- Large hollow structure
- Absolute measurement

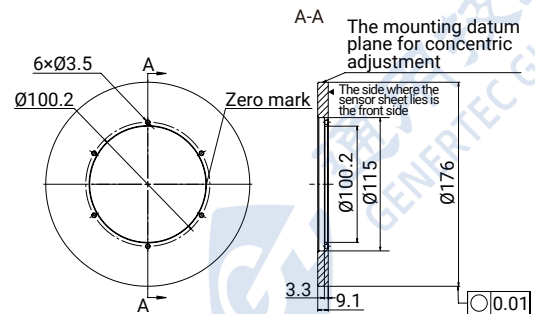
■ Selection parameter



Mechanical dimensions of the stator and rotor

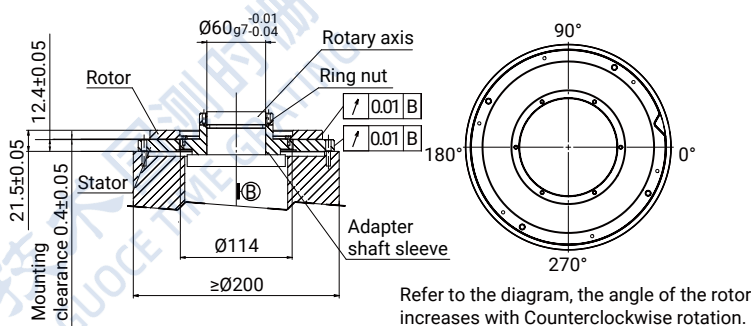
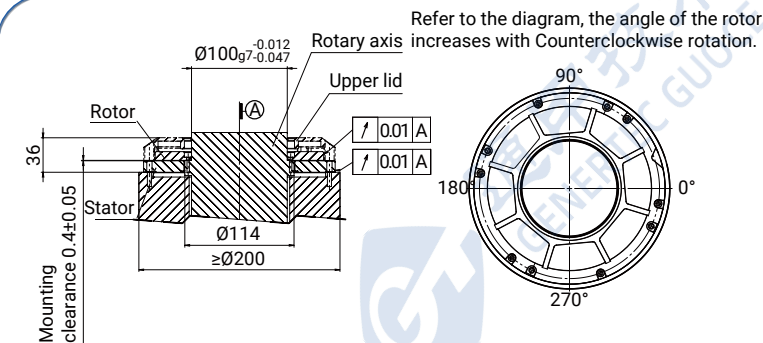


Stator

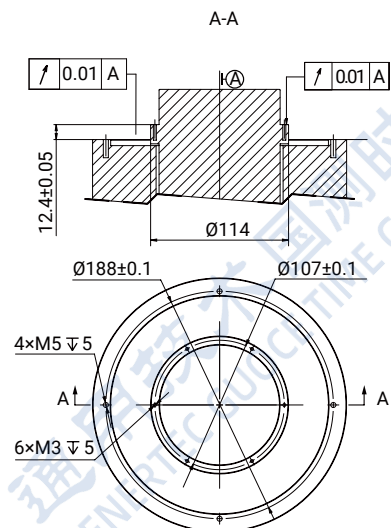


Rotor

Mounting diagram



Mounting position of the stator and rotor



Reference of mounting dimensions

Note: ① The test ambient temperature of the above dimensions is 20±2°C. Please pay attention to the influence of temperature changes on the dimensions; ② Please apply thread-locking adhesive when install screws to improve the firmness; ③ If the processing accuracy of the fixture is not up to the requirements, it is suggested to install while using dial indicator to test; ④ When using ABZ(incremental) protocol, if the direction of motor rotation is oppo-site to the direction of the sensor, please switch the A and B sequences lines.