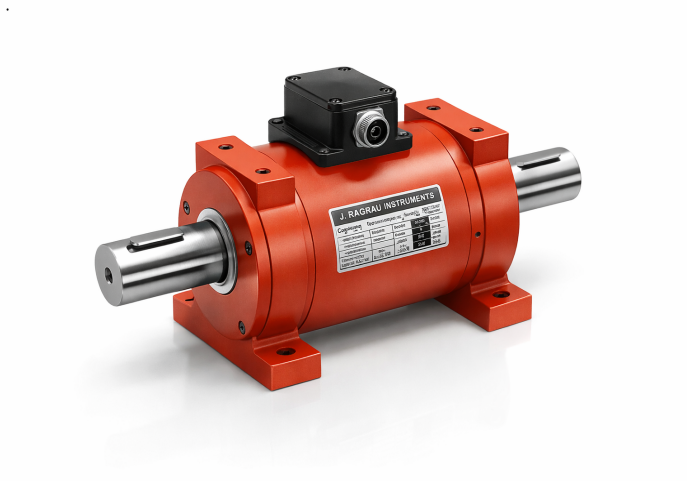
Rotary Torque Sensor (Optical Type)

Non-Contact Optical Torque Measurement



Product Overview

JRAGRAU Rotary Torque Sensors (Optical Type) are designed for precise, non-contact measurement of torque in rotating shafts. Utilizing optical sensing technology, these sensors deliver stable and accurate torque measurement without mechanical wear, making them ideal for continuous-duty industrial and test bench applications.

Key Features

- Non-contact optical torque measurement
- Suitable for continuous rotation applications
- High accuracy and repeatability
- Rugged industrial construction
- Keyway type shaft coupling

Technical Specifications

Capacity Range	5, 10, 20, 50, 100, 500, 1k, 2k, 5k, 10k, 20k
Rated Output	2 mV/V
Safe Overload	150 % of R.O
Zero Balance	±0.05 % of R.O
Excitation Voltage	10 V DC (Max)
Non-Linearity	±0.05 % of R.O
Non-Repeatability	±0.05 % of R.O
Hysteresis	±0.05 % of R.O
Temperature Shift – Zero	±0.01 % of R.O / °C
Temperature Shift – Span	±0.02 % of R.O / °C
Compensated Temperature Range	25 °C to 50 °C
Operating Temperature	0 °C to 50 °C
Operating RPM Range	0 to 500 RPM
Coupling	Keyway Type

Applications

- Motor and drivetrain testing
- Gearbox and transmission analysis
- R&D; test benches
- Industrial torque monitoring systems