

Torque Sensor 2100/2200



A fusion of trustworthiness and flexibility



Series 2100/2200 – Affordable Gateway to Precision Torque Measurement

Experience cost-effective, reliable, and seamless torque measurement with the Series 2100 (featuring a square shaft) and 2200 (featuring a round shaft). Designed for quick and effortless torque measurement, these sensors excel in both static and dynamic bidirectional torque measurement, regardless of speed. The sensors come as complete units with integrated electronics, also with free-of-charge calibration certificate, and a connecting cable, ensuring a hassle-free plug-and-play experience. Optional sensor brackets are also available for secure mounting to fixed points in machinery.

Key features:

Connectivity: The 2100/2200 series boasts excellent connectivity in industrial environments with $\pm 10V$ and $\pm 5V$ output signal options besides the usual 0-10V and 0-5V.

Compatibility: A torque range up to 500Nm and the availability of both round and square shaft options make the 2100/2200 series fitting for many different environments and applications.



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General Data:

Torque	0-400Nm* 0-500Nm**	Direction of rotation	CW & CCW
Speed	≤ 5000 rpm	Operating voltage	6-28V
Accuracy	≤ ±1%	IP protection class	IP50
Temperature range	-30°C to +85°	Cutoff frequency	1.000 Hz
Type of signals	analogue	Overload reserve	10%
Output Signal:	±10V, ±5V, 0-10V, 0-5V	Connection	5-pin binder plug

*Series 2100 **Series 2200



Benefits:

Industrial Compatibility:

Meets the connectivity requirements of ±10V and ±5V in industrial environments.

Ease of Integration:

Ready for use out of the box with plug-and-play functionality.

High-Speed Capability:

Handles speeds up to 5,000 RPM, ideal for test benches and production lines.

Robust Performance:

Audits and monitors valves, actuators, and processing equipment with exceptional durability.

Versatile Applications:

Perfect for measuring, documenting, and auditing torque in power tools, torque wrenches, and assembly processes.

Testing and Monitoring:

Successfully used in fatigue/breaking point testing, viscosity measurement, and overload protection in various applications.

Enhanced Efficiency:

Increased efficiency up to 20% in all rotating and measuring applications. Such as in a bottle cap safety test or in a "simple" End-Of-Line-Test.

Choose the Torque Sensor 2100/2200 Series for unparalleled reliability and flexibility precision in torque measurement.



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