

Torque Sensor 2300



Long-Living-Care-Free

High data rate in real time



Series 2300 – The price/performance winner

The 2300 series is the most cost-effective entry into professional torque measurement technology. Transmitted torque can be measured bidirectional and independent from speed statically and dynamically. The sensor is supplied as a complete unit with integrated evaluation electronics and the corresponding connecting cables.

2300 series is distinguished by its price-performance ratio and extreme robustness, requiring no maintenance. The sensor can be equipped with a lot of extras, such as angle sensor, and several analog and digital outputs.



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GENERAL DATA:

Torque:	0-100Nm	Direction of rotation:	CW & CCW
Speed:	≤ 10000 rpm	Operating voltage:	5-28V
Accuracy:	≤ ±0.5	IP protection class:	IP50
Temperature range:	-30°C to +85°	Cutoff frequency:	1.000 Hz
Type of signals:	digital & analog	Overload reserve:	10%
Output Signal:	0-10V, 4-20mA, CAN-Bus, USB	Connection	8-pin binder plug



ADVANTAGES:

- It is able to handle the requirements of fine manufacturing and testing with very low (< 1 Nm) torque.
- It can handle high (up to 10.000) RPM to test and control electric motors.
- Its robustness allows to audit and monitor valves, actuators, and other processing equipment.
- It fulfils the needs to measure, document and audit torque for power tools and torque wrenches in construction industry and assembly.
- It has been successfully used in fatigue/breaking point testing and monitoring for screws and shafts, in viscosity measurement and in optimization and overload protection in extruders and straightening machines.
- Through its use the efficiency of rotating material distribution systems (e.g. poultry feeders, fertilizer dispensers) was increased by 20%.