

# 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.



## 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,<br>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%.