

Torque Sensor Solutions for E-Bikes / Pedelecs

The robust, maintenance-free, worry-free solution for sensing torque

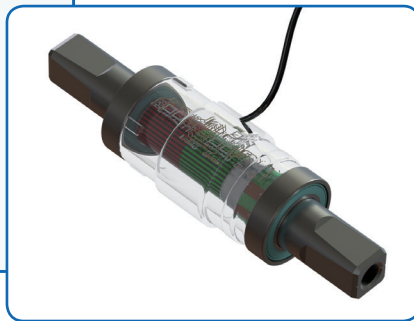
Bottom bracket with integrated torque sensor for pedelecs

NCTE sensors are a key component for improving the performance of pedelecs. Fully integrated into the bottom bracket, the sensor detects

- ▶ Rotational speed and direction, and torque (version RT)
- ▶ Rotational speed and direction (version R)

as the key input parameter for the motor control unit.

User benefit: enhanced driveability and driving pleasure of the bike, powerful, yet comfortable motor support, longer range and easy motor control.



Product features

- // Accurate torque measurement directly at the BB shaft by Formula 1-approved PCME technology
- // Accuracy +/- 1 %
- // Temperature range: -40 °C ... +85 °C
- // **Perfect protection against environmental impact** – waterproof
- // **Maintenance-free**
- // **Extremely robust due to integration into the BB** – survives even heavy impact
- // Integrated angle sensor for rotational speed and direction
- // No re-calibration required
- // Integrated electronic PCB with flexible user interfaces / output signals
- // Very easy, intuitive assembly into the bike
- // Fully compatible with standard BB's, fits almost any bike
- // Compatible with „X-Cell RT“ or „X-Cell R“

Your point of contact

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