WIRELESS LOAD MEASUREMENT Torque/Tension or Compression

Minimum size, lightweight, readily mounted on shaft.
Senses torsion and axial load with extreme dynamic range (1/100'000 full scale).
wireless data transmission at up to 32 ksps, and wireless or battery power.

USB or PoE data connection.

Embedded microtelemetry with ultra-low power consumption.

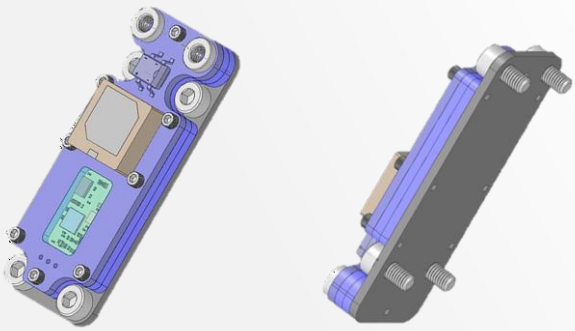
APPLICATIONS

Ideal for monitoring rotating/moving parts where it is not possible to use wires and slip rings:

- Shaft torsion, axial force or other load monitoring
- Predictive maintenance
- Testing
- System qualification

FIELDS OF APPLICATIONS

- Power generators
- Engines
- Axles
- Compressors and pumps
- Geartrains
- Mixers
- CNC
- Spindles



- Compact and : telemetry 8,89 mm x 17,15 mm e DAQ
- Thickness equipped with a piezoresistive torque/axial measurement system
- Load measurement up to 31250 sp, data 24 bit (configurable)
- Low power consumption: 1 mA at 2,8-18 V; at 18V consumption of 0,025 mA
- Power supply: wired or wireless
- Maximum operating temperature: 125°C
- Maximum acceleration/rpm: 33'000 g / 22'500 rpm
- Output data: USB or PoE
- IoT interface: OPC UA / MQTT/ UDP / TCP, open source
- SMA connector on request