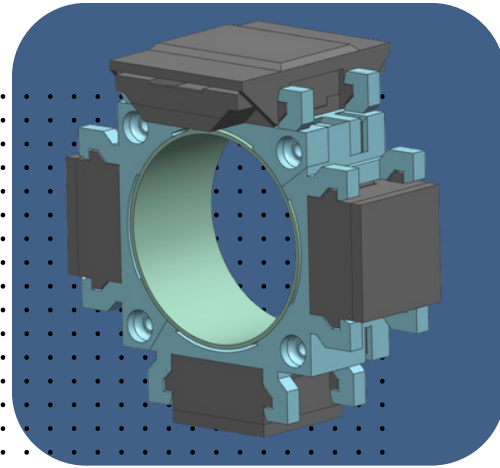


FORCEBIT SENSOR SOLUTIONS

TELBIT



Wireless telemetry system for rotary drives measuring speed, acceleration and angular displacement

TELbit is an **all-in-one system** for monitoring rotating shafts, measuring **speed, acceleration, and angular displacement**. It features 6 configurable channels and supports **strain gauges** and **resistance temperature sensors (Pt1000)**.

Key Benefits:

- **Plug & Play:** Pre-balanced, easy installation with no fixed reference point
- **Wide Compatibility:** Fits various shaft sizes with custom holders
- **Integrated Design:** Battery pack, wireless transmission, and signal conditioning

Why TELbit stands out:

- **Pre-Balanced:** Minimizes risk at high speeds by offering a balanced setup from the start
- **Rechargeable Battery:** USB-C rechargeable for extended use without disassembly
- **Critical Measurements:** Real-time data on strain, torsional vibrations, and temperature for detailed insights into machine performance

With our TELbit, you choose for a clean, safe, reliable and fast installation.

Rotational displacement	0.25° for horizontal shafts
Rotational velocity	< 0.5 RPM
Rotational acceleration	< 5 rad/s ²
Sampling rate	up to 4 kHz
Strain temperature sampling	12-bit
synchronicity	10 micro-seconds
Signal output	.csv

Space requirements	34 mm axially, 16 mm radially
Weight	<35 g @ 32 mm diameter
Operating temperature	-40°C to 60°C
Shaft diameter range	25 mm to 200 mm
RPM	5000 RPM @ d=50mm
Autonomy	50 hours @ 4 kHz

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