sensALIGN® on-board intelligence

XXL HD PSD
(Ultra-large High Definition Position Sensitive Detector)

7-axis system

MEMS (Microelectromechanical systems) / HD inclinometer

LiPo rechargeable battery

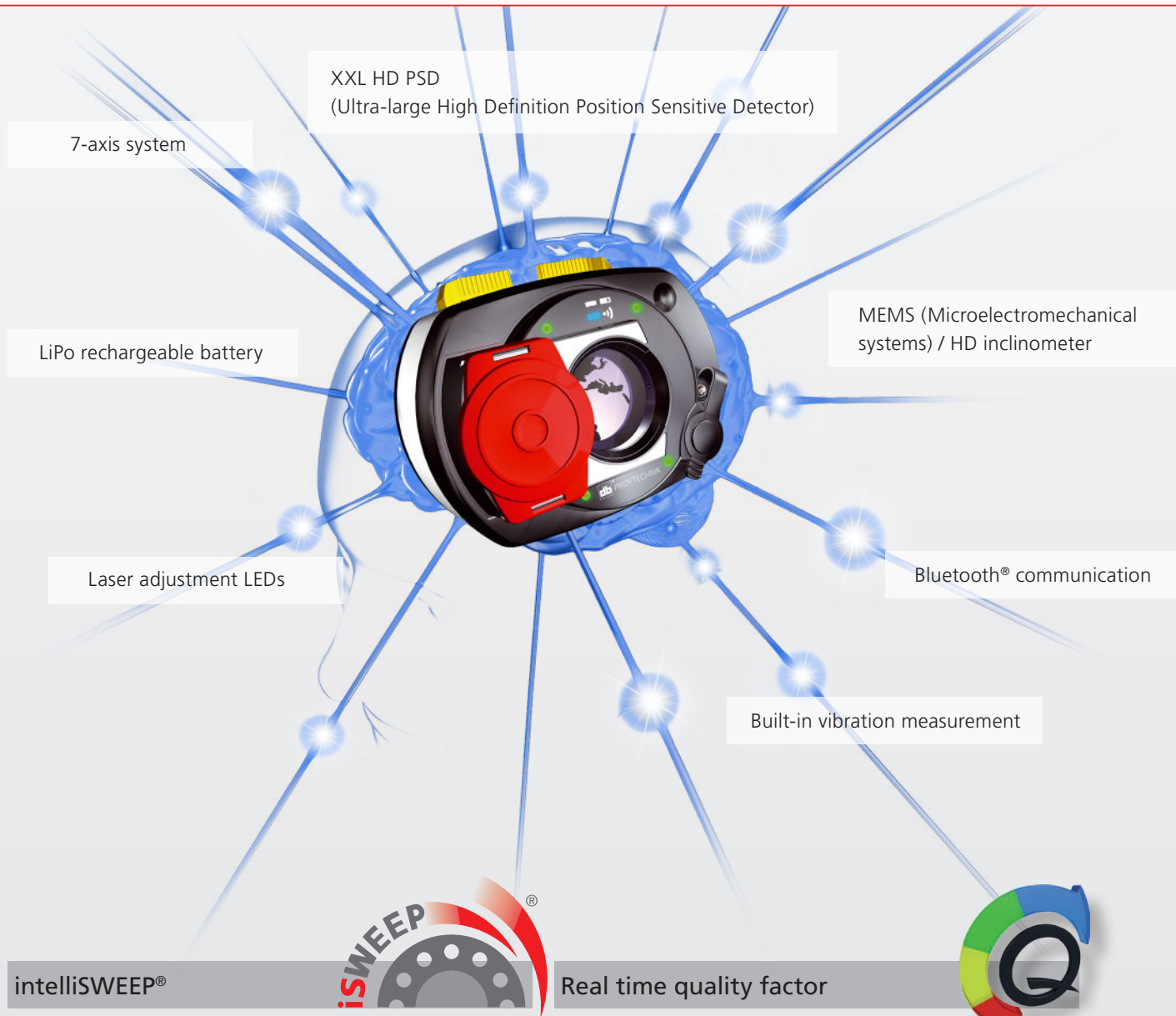Laser adjustment LEDs

Bluetooth® communication

Built-in vibration measurement

intelliSWEEP®

The intelligent intelliSWEEP® HD measure mode actively supports the user by detecting error influences such as coupling play, rotational angle or vibration, and automatically eliminating them.
As shafts rotate, a large number of measurement data is automatically and continuously recorded. This is much more accurate when compared to measurement methods where measurement is taken at three positions only.
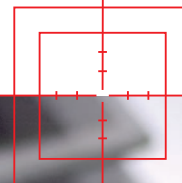
Real time quality factor

The user is kept informed of the quality of the measurement and given hints on how to achieve improved measurement data.

▶ Quality factors
▶ Rotation angle
▶ Ellipse standard deviation
▶ Environment vibration
▶ Rotation evenness
▶ Angle rotation inertia
▶ Rotation direction
▶ Rotation speed
▶ Filter output

"intelliSWEEP®: the new and unique intelligent HD measurement mode that collects and processes hundreds of real measurement points"

sensALIGN® on board-intelligence

Automatically compensates for negative influences

4 adjustment LEDs Initial laser adjustment becomes child´s play over any distance. Four green LEDs signal that the laser beam is hitting the centre of the detector.

At a glance

▶ **Real time quality by intelliSWEEP**
Always precise, accurate and repeatable

▶ **7-axis measurement system with High Definition PSD, XXL detector**
Any amount of misalignment can be easily

▶ **In-built vibration measurement**
Measure machine vibration before, during and after alignment, no need for additional hardware

▶ **Environmental vibration monitoring**
Accurate shaft alignment under vibrating condition

▶ **Precision in-built inclinometer through MEMS**
Used for backlash detection

▶ **Communication to the sensor through the laser beam**
sensALIGN® laser information readily available

▶ **Integrated class 1 Bluetooth®**
Wireless communication without additional accessories

▶ **Rechargeable battery with latest LiPo technology and intelligent power management**
Long runtime without memory effect

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sensALIGN® laser   sensALIGN® sensor

2 clamping levers

Battery status LED

Beam active LED

Vertical beam position thumb wheel

On/Off push-button switch

Bluetooth®

Horizontal beam position thumb wheel

Sliding non-removable dust cap

4 adjustment LEDs

AC adapter/charger socket