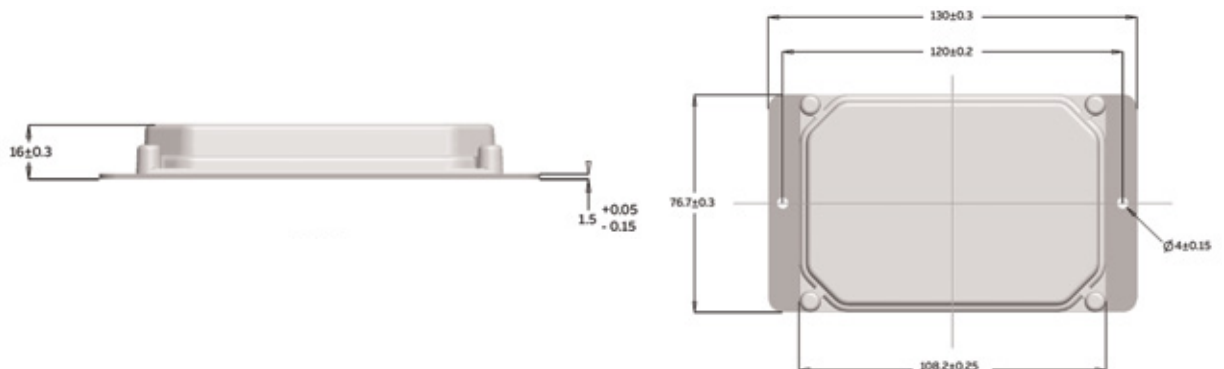


| SPECIFICATIONS | |
|--|--|
| Temperature measurement | |
| Measurement range | -40 °C to +80 °C |
| Resolution | 0.05 °C |
| Accuracy (baseplate temperature) | +/-0.5 °C |
| Vibration measurement (overall velocity values) | |
| Amplitude range | 0.04 - 700 mm/s (25 Hz) |
| Frequency range | 10 Hz - 1 kHz |
| Wireless communication | |
| Network / radio standard | Bluetooth® 4.0 / IEEE 802.15.1 |
| Frequency | 2.4 GHz, license free ISM band |
| Range | With mobile phone: 1 - 10 m With gateway: approx. 50 m (can vary in an industrial environment depending on the facility layout) |
| Power | |
| Battery type (not replaceable) | 3.0 V Lithium Permanganate (LI-MnO4) button cell CR2477N |
| Estimated battery lifetime | Batteries have a design life of 5 years. Expect 3 - 6 years depending on usage, settings and temperatures |
| Measured skin temperature (°C) | +40 °C +70 °C |
| Battery life in years, sensor in default configuration | approx. 5 approx. 3 |
| Default configuration: Sensor measures once per hour and stores data to memory. Stored data must be collected at least monthly with a Bluetooth® mobile device or gateway. | |
| Environmental | |
| Temperature | Operation: -40 °C to +80 °C Storage: +10 °C to +25 °C (due to battery life) |
| IP class | IP66 (dust-tight and resistant to powerful water jetting) |
| Vibration (of mounted surface) | <15 g at 100 Hz |
| Certifications | |
| CE, FCC, IC, RCM, EAC, UL, C-UL, SRE, SUBTEL | |
| Safe areas only; no hazardous area certification | |
| Physical | |
| Weight | 0.26 kg |
| Case material | Stainless steel (316)/Thermoplastic (PA6-GF30 (Akulon® Ultraflow K-FKGS6 /B)) |
| Mounting | On housing above drive-end bearing of the pump (the bearing closest to the motor when seen from the pump), parallel to pump shaft; ensure good contact Ensure that correct mounting kit is used; ready-made mounting kits might not be available for all kinds of pumps |



For more information please visit:
www.abb.com/smartsensor

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Ltd does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Ltd. Copyright© 2019 ABB
All rights reserved