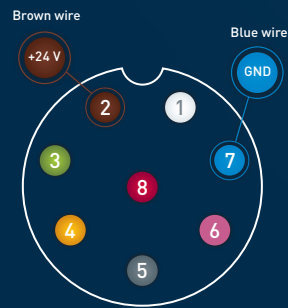


# AIQ CORE OPC UA OPTION DATA SHEET



## PIN ASSIGNMENT (DEVICE SIDE)

|   |                             |                 |
|---|-----------------------------|-----------------|
| 1 | Analog output (4 ... 20 mA) | (not connected) |
| 2 | +24 V DC                    |                 |
| 3 | Ethernet TXN                |                 |
| 4 | Ethernet TXP                |                 |
| 5 | Ethernet RXN                |                 |
| 6 | Ethernet RXP                |                 |
| 7 | GND (ground)                |                 |
| 8 | Digital output              | Speed pulse     |



## ANALYTICS AND FUNCTIONS

- Calculation of remaining oil life
- Display of operating temperature and start temperature
- Alarm (oil status pin 6, total alarm pin 4, digital)
- Vibration KPIs (aRMS, vRMS ...)
- Frequency-selective analysis (online)
- Operating state (e.g. operating hours/start-up counter)
- Output of all values (alarms, KPIs...) via OPC UA to PLC
- Easy replacement of the AIQ Core head

## GENERAL

- IP67 protection class
- CE/EAC certification
- Ethernet (option for online mode)
- Bluetooth (option for local mode)
- Operating voltage 24 V DC
- Dimensions 70 × 70 × 35 mm



## TEMPERATURE MEASUREMENT

- PT-1000 oil sump temperature measurement
- Connection to PLC
- Temperature range: -40° C ... +135° C



## SPEED MEASUREMENT

- Hall sensor detects the teeth of one of the gears
- Connection to PLC
- Digital output pin 8 / pulse signal
- High resolution

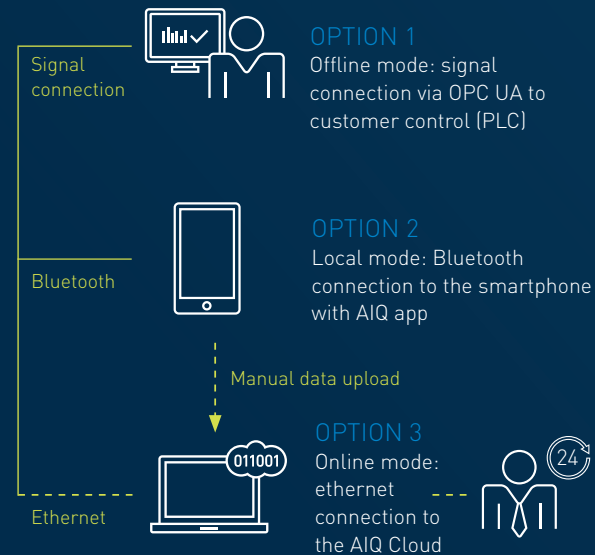


## VIBRATION MEASUREMENT

- 3-axis vibration sensor included
- Connection to PLC
- Measurement range: 1 Hz ... 6.3 kHz



## USE CASES AND CONNECTIVITY



## OPC UA SERVER

