

The Sensotek® product range is used to continuously monitor your rotating equipment in different environments. Reporting key parameters to local PLC or SCADA systems, or our cloud based Analytix® platform.



The Sensotek® PLC Gateway has been specifically developed to receive data from our entire sensor range. The gateway provides connectivity for Kappa and Tau to an externally connected PLC.

Key Features

- Connects Sensotek Kappa and Tau
- Waterproof (IP65)
- Robust metal enclosure
- Easy setup and installation
- High gain antenna

| Mechanical | |
|-------------------------------|---|
| Physical | |
| Dimensions | Shown on next page |
| Weight | 1100g (±20g) |
| Material | Aluminium (6000 series) |
| Mounting Options (<i>m</i>) | 0 = Bolted (Standard) 1 = DIN Rail Adaptor 2 = Pole mount |
| Environmental | |
| Operating Temperature | -20 to 85°C (-4 to 185°F) |
| Storage Temperature | -20 to 85°C (-4 to 185°F) |
| Sealing | IP65 |
| Shock | 50g |

| Power Source | |
|---------------|---|
| Wired | |
| Input Voltage | 12vdc nominal 7vdc minimum 18vdc maximum |
| Current | < 1.0 amp typical 2.0 amp peak |
| Connection | 2-pin IP65 |
| Power Supply | Standard 1.5m cable with plug and multi-region adapter supplied |

| Part Numbering (Options must be specified) | |
|--|---|
| AN-G03-<u>m</u>01-<u>c</u>4-CC2 | |
| Mounting Options (<i>m</i>) | 0 = Bolted 1 = DIN Rail (Standard) 2 = Pole mount |
| Communication (<i>c</i>) | 0 = Profinet Other options available |

| Sensor Communication | |
|------------------------------|--------------------------|
| Sensor Data Reception | |
| Effective Range | 250 meters Line-of-Sight |
| Frequency | <1GHz ISM Band |
| Sensotek Channel | Channel 1 or 2 |

| Cloud Communications | |
|---|-------------------------|
| Cloud communication is optional. When enabled it will work simultaneously with PLC communication. | |
| Cloud Comms Link | Via WiFi |
| WiFi | |
| Frequency | 2.4GHz IEEE 802 11b/g/n |
| Protocol | CoAP over TCP |
| Encryption | AES |
| Authentication | RSA public/private keys |

| Internal Gateway Measurements | |
|-------------------------------|---------------------------|
| Ambient Temperature | |
| Temperature Range | -20 to 85°C (-4 to 185°F) |
| Temperature Accuracy | ±1.0°C |

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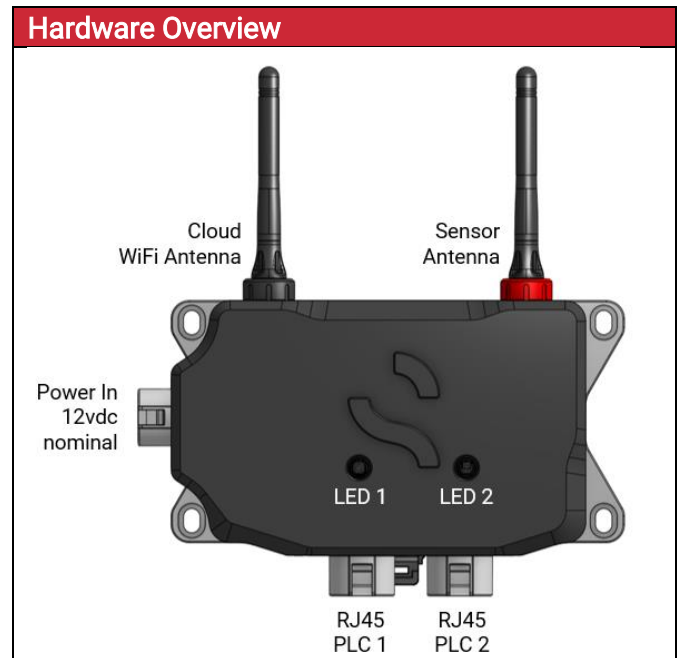
| Sensor Compatibility | |
|----------------------------------|----|
| Maximum Number of Sensors | |
| Sensors per gateway | 30 |
| Maximum Sensors by Type | |
| Structural sensors | 20 |
| Bearing sensors | 10 |

| PLC Communication | |
|-----------------------------|-------------------|
| PLC Communications * | |
| Comms Option | Profinet |
| Protocol | UDP |
| Physical | |
| Connector 1 | RJ45 |
| Connector 2 | RJ45 |
| Cable Specification | Cat 5e or greater |
| Max Cable Distance | 100m |

*Full data definition available on request

| Specification | |
|----------------------------|---------|
| Ambient Temperature | |
| Cycle Time | <40ms |
| Conformance Class | C (IRT) |

| Diagnostics | |
|------------------------------------|---|
| Onboard LED | |
| LED 1 (Left) | Hardware State Cloud Communication |
| LED 2 (Right) | PLC Interface State |
| Via Communication interface | |
| PLC | Locator ID Cloud Service State Sensor Diagnostics |
| Cloud | WiFi State Sensor Diagnostics |
| Via Web Interface | |
| PLC | Diagnostics |
| Sensor | Setup and Diagnostics |



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Dimensions

Standard – DIN Rail Bracket can be removed – See DOC-00499 for Installation Guidelines

