# Sensoteq

The Sensoteq® product range is used to continuously monitor your rotating equipment in different environments. Reporting key parameters to our cloud based Analytix® platform



The Sensoteq® Gateway S ATEX has been specifically developed to connect with our Kappa and Tau product ranges in explosive atmospheres. The gateway provides collected data to the cloud-based Analytix platform via WiFi or Cellular communication.

| Product Highlights |
|---|
| Explosive Atmosphere Certified |
| Connects Sensoteq Kappa and Tau |
| Waterproof (IP66) |
| Easy setup and installation |
| High gain antennas |
| Range of communication options |

| Product Variant | |
|---|---|
| **G4c-11-Ex** | |
| G4W-11-Ex | 2.4GHz Wi-Fi |
| G4C-11-Ex | LTE Cat1-2G/3G/4G (RoW) |
| G4L-11-Ex | LTE Cat-M1 (North America) |

| Mechanical | |
|---|---|
| **Physical** | |
| Length | 400mm |
| Width | 250mm |
| Height | 120mm |
| Weight | Approx. 5kg |
| Material | Carbon Loaded Glass Reinforced Polyester |

| Environmental | |
|---|---|
| Operating Temperature | -20 to 64°C (-4 to 147°F) |
| Storage Temperature | -20 to 64°C (-4 to 147°F) |
| Sealing | IP66 |
| Shock | 10g |

| Communication | |
|---|---|
| **Sensor to Gateway** | |
| Effective Range | 250m Line-of-Sight [1] |
| Frequency | < 1GHz ISM Band |
| Sensoteq Channel | Channel 1 or 2 |
| **Gateway to Cloud** | |
| Communication Option | Dual Band Wi-Fi [2] |
| | Cellular (2G/3G/4G) (900/1800/1900/2100/2600MHz) |
| **Wi-Fi** | |
| Frequency | 2.4GHz IEEE 802.11 a/b/g/n 5GHz |
| Protocol | CoAP over TCP |
| Encryption | AES |
| Authentication | RSA public/private keys |

[1] – Wireless performance may be impacted by environmental obstructions.
[2] – If necessary, consult your IT administrator regarding network security.

| ATEX Certification | |
|---|---|
| **Approval Details** | |
| ATEX Code | II 3 G D |
| Ex Code | Ex ec IIC T4 Gc |
| | Ex tc IIIC T135°C Dc |
| ⟨Ex⟩ | Ta -20°C to +64°C |
| Special Use Conditions - See ATEX certificate | |

| Power Supply | |
|---|---|
| Input Voltage | AC 100-240 V |
| Current | 0.0375A – 0.09A (peak) |
| Connection | Direct power to Gateway is supplied by the internal Power Supply |