

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-m01-c4-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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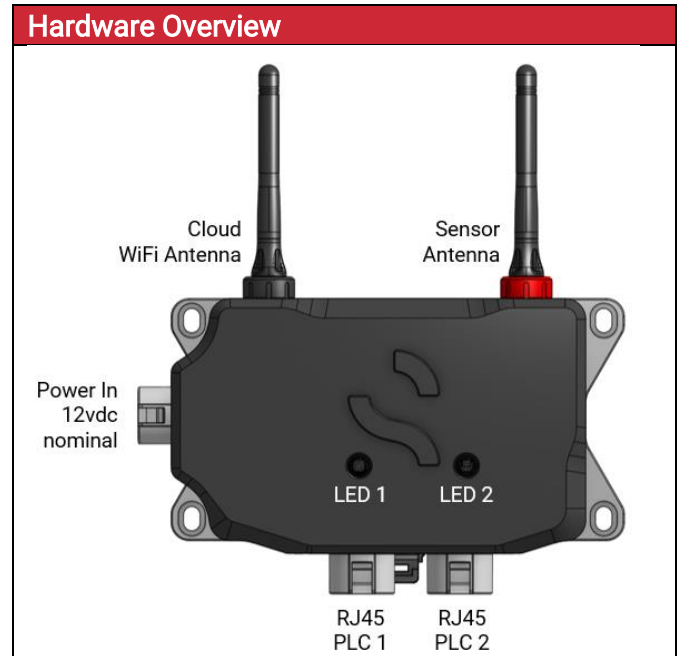
Sensor Compatibility	
Maximum Number of Sensors	
Sensors per gateway	30
Maximum Sensors by Type	
Structural sensors	20
Bearing sensors	10

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

