

SENTRY S2100

VIBRATION AND TEMPERATURE MONITORING, IP67 CERTIFIED
EQUIPMENT HEALTH INSIGHTS FOR
INCREASED PRODUCTIVITY



The demand for reliable equipment has never been greater. It's important to partner with a company that provides world class high-efficiency electric motors, power transmission products and optimized electromechanical powertrains **as well as technical IoT expertise**. Perceptiv™ intelligence provides a seamless customer experience and a path for continuous improvement. It's hardware, software and "humanware" – all working together in perfect harmony.

Many companies simply "sell" sensors. The Perceptiv Services team will monitor the application and deliver actionable insights to help you meet your production demands. Installation services are available as needed. We understand the applications and the products to ensure your equipment runs efficiently and reliably. Why not work with the professionals who design and manufacture the components to monitor your equipment to keep it running at its best?

DETECT EQUIPMENT PROBLEMS BEFORE THEY BECOME YOUR PROBLEM

- Ideal for general usage throughout your facility
- Expandable - no minimum quantity requirement, expand any time
- Flexible - combine with other Perceptiv series to build a "right-sized" hybrid solution

SENTRY S2100 DELIVERS EQUIPMENT HEALTH DATA FOR PREDICTIVE MAINTENANCE

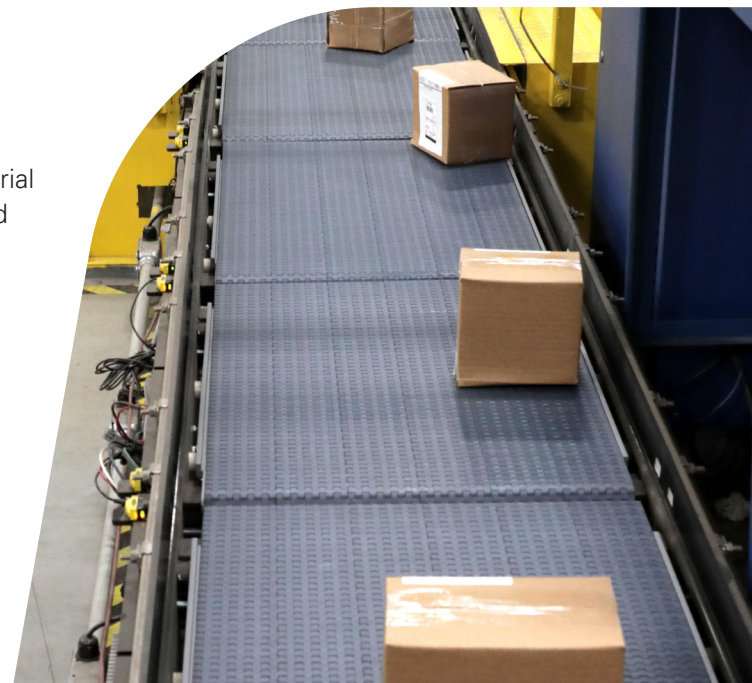
- Automated, wireless data collection
- Multi-parameter vibration trend data (RMS, Peak-to-Peak and Crest Factor)
- Temperature trend over time
- Alerts via e-mail/text
- 24/7 access to Perceptiv dashboard
- User-based access permissions

BACKED BY LEADING INDUSTRY EXPERIENCE

Choose Regal Rexnord and take advantage of the extensive industrial experience of the Perceptiv services team to remotely monitor and analyze machinery to improve reliability and boost production.

GENERAL SPECIFICATIONS

- Wireless
- ≈20 nodes per gateway
- Node to gateway range: ≈50 feet
- ~1 to 2 year battery life
- Field-replaceable battery
- Ingress Protection – IP67



Sentry S2100 Wireless Gateway and Sensors

Specifications

Communication	Mounting	Vibration Features	Temperature Features	Battery	Environment	Operating Range	Construction
Wireless Type: BLE-4 Range: ≈50 ft.(LOS*) ≈20 nodes/gateway	Stud/Magnet/ Epoxy	Tri-axial MEMS Range: +/- 8g Output: RMS, Peak-to-Peak, Crest Factor	Location: Surface Range: -40 °F to 257 °F (-40 °C to 125 °C)	Field Replaceable Model: CR2477 Life: ~1-2 years	Sensor: IP67 Gateway: IP54 HazLoc: No	-4 °F to 140 °F (-20°C to 60°C)	Polycarbonate

* LOS - Line of Sight / Node Dimensions: 2.0" x 3.1" x 0.75" (51mm X 80mm X 19mm) / Gateway Dimensions: 3.9" x 4.3" x 1.3" (100mm x 110mm x 33 mm)

1. Select hardware options:

Hardware Type	Hardware Options	Part Number
Gateway (Verizon)*	Sentry S2100 WLGW-VZN	1166195
Gateway (AT&T)*	Sentry S2100 WLGW-ATT	1167402
Gateway (NO SIM)**	SENTRY S2100 WLGW-NO SIM	1166225
Sensor	SENTRY S2100 WLVT NODE	1166196
Cellular Service	Cellular Service	2790035

*Perceptiv™ cellular service required with 1166195 and 1167402

**Customer-provided cellular service is required with 1166225

2. Select sensor mounting options:

Mounting Options	Accessory Options	Part Number
Direct Mount	Follow Installation Instruction	N/A
Magnet Mount	Curved Surface Magnet	1166681
	Flat Surface Magnet	1166682
Epoxy Mount	Threaded-stud Mounting Pad	1166683
	Vibe Mounting Pad Epoxy	1166684

3. Select an analysis & reporting package:

Monitoring Package	Monitoring Package Options	Part Number
Basic	BAS-VT Analysis 1-100Nodes	2790145
	BAS-VT Analysis 101-250Nodes	2790146
Standard	Available, call for quote	2790166
Platinum	Available, not recommended	2790172

4. Select optional services:

Optional Services	Part Number
Perceptiv Monitoring Systems-Install	2790018
Std Wireless System Commissioning*	2790820

* Equipment communication & testing confirmation

ANALYSIS & REPORTING OPTIONS

Service	Basic	Standard	Platinum
Time-based Trend Analysis	Yes	Yes	Yes
Alerts	State-based	Condition-based	Condition-based
Vibration Analyst Review	Not Included	Yes	Yes
Online Monitoring Dashboard	Yes	Yes	Yes
Quarterly Report	Not included	Included	Not included
Monthly Report	Not included	Not included	Included
Remote Technical Support	Available on request	Two cases per month	Unlimited
Field Technical Support	Available on request	Available on request	One visit included per year

To learn more about cybersecurity and cloud-based condition monitoring, visit www.regalrexnord.com/brands/perceptiv



Motion Control Solutions Regal Rexnord

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regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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