



Levelled up insights for **maximum efficiency and savings**

Smarter monitoring with Sitrans IQ Guard

Handling the heavy lifting in industrial monitoring, Sitrans IQ Guard adds diagnostics, verification and more to a host of Siemens level solutions—saving companies time and money. By transforming data into actionable insights, levelling up with Sitrans IQ Guard lets operators focus on strategy and decisions—not troubleshooting.

Imagine having a car with an operating system that not only alerts you when your fuel is low but also tells you when a tire is wearing down, predicts engine maintenance needs, and suggests gas stations with the best fuel prices.

That system exists, perhaps not for your car, but for a range of process instrumentation.

Siemens onboard Sitrans IQ Guard adds diagnostics and alerts to field instruments so operators can focus on the big picture. By working seamlessly with devices like Sitrans LT500, Sitrans LU240, and Sitrans LR500, this smart application suite enhances data collection and alerts operators to potential issues, streamlining operations and maximizing efficiency—ultimately saving companies time and money.



Sitrans LT500 compatible devices include radar and ultrasonic technologies or any 4-20 mA devices.

Powerful product integrations benefit a range of industrial applications

Preventing downtime:

Sitrans IQ Guard + Sitrans LT500

Able to accept analog input from a whole host of different sensor types, including flow, pressure, and other devices, the Sitrans LT500 controller excels in level and pump control.

Levelled up with Sitrans IQ Guard: this pair delivers more than 200 precision diagnostics and alarms, along with insightful data analysis directly to operators. Any inconsistencies between measurements trigger automatic alerts, helping businesses address problems before they escalate. And by automating maintenance scheduling, notifying operators exactly when service is needed, this system essentially eliminates the need to manually plan or track maintenance tasks.

All of this means operators spend less time manually inspecting equipment, troubleshooting, and spending time scheduling—leading to cost savings through fewer shutdowns and less downtime.

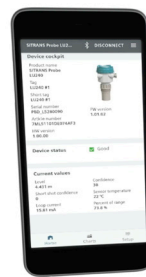
Optimizing material use:

Sitrans IQ Guard + Sitrans Probe LU240

Sitrans Probe LU240, an advanced ultrasonic level transmitter, is designed for reliable, non-contact measurement of liquid levels in tanks, open channels, and various industrial applications. Compact and versatile, the transmitter offers high measurement accuracy, easy installation, and flexible configurations.

Levelled up with Sitrans IQ Guard: this transmitter provides data on tank levels, filling and emptying rates, and alerts for any irregularities. Together, the pair continuously logs this data, which helps companies optimize tank usage and minimize any material waste. By catching small variations or unusual fill rates, for example, companies can prevent overflow or underfill situations, reducing product loss and avoiding regulatory penalties from accidental spills.

This system offers comprehensive health monitoring with a 250-point diagnostic log, 2010-point trend log, and limit monitoring to track critical changes in tank levels. With more than 40 NE107 diagnostics and quality verification reports accessible through Sitrans mobile IQ, it ensures real-time insight and reliability.



Easy access to Sitrans Probe LU240 via Bluetooth® adapter and Sitrans mobile IQ App

Reliable performance monitoring:

Sitrans IQ Guard + Sitrans LR500

The Sitrans LR500 radar level transmitter is designed for accurate, non-contact measurement of solids and liquids in challenging environments. The transmitter provides always-accurate level measurement even in harsh conditions such as extreme temperatures, dust, and vapors, making it ideal for industries like mining, cement, and chemicals.

Levelled up with Sitrans IQ Guard: Sitrans LR500 provides real-time diagnostics on system performance and conditions, even in extreme conditions like high temperatures or dust.

The automated diagnostics detect potential sensor failures early, allowing operators to pre-emptively address issues without requiring constant monitoring. These automated insights decrease downtime and the need for manual checks, significantly reducing labor costs and increasing the lifespan of the equipment.

Smarter data, smarter decisions

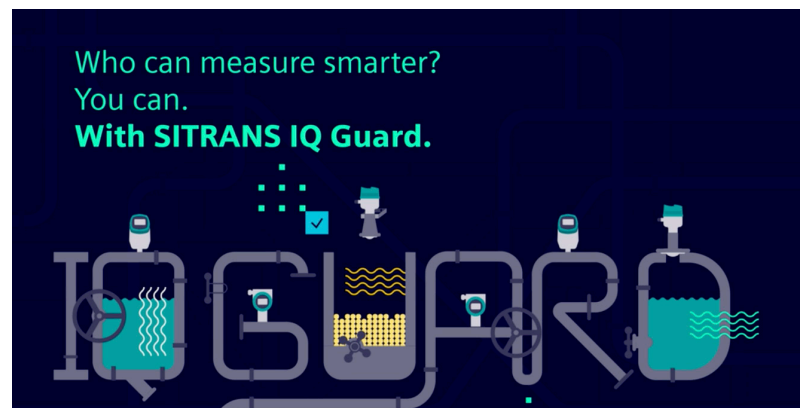
Together, Sitrans IQ Guard and these essential measurement devices gather critical data that allows customers to make informed, proactive decisions—that's true measurement intelligence delivering value through:

- **Data logging and historical analysis:**
Sitrans IQ Guard provides a comprehensive history of all measurements, alerts, and alarms, enabling operators to spot trends and optimize processes.
- **Early alerts and reduced downtime:**
By flagging unusual measurements early, Sitrans IQ Guard helps prevent costly downtime or repairs—accurate diagnostics that allow companies to prioritize resources for maintenance when necessary.
- **Enhanced operational efficiency:**
Sitrans IQ Guard manages complex data analysis and diagnostics, requiring minimal customer intervention—automation that reduces the time and expertise needed for day-to-day operations.

By combining Sitrans IQ Guard's data analysis skills with the industrial know-how of Sitrans LT500, Sitrans Probe LU240, and Sitrans LR500, Siemens offers a powerful approach to measurement. Levelling up companies' monitoring and diagnostics, these valuable integrations help users optimize productivity and reduce operational costs.



Signal level can be monitored and/or used to define a threshold level. This secondary variable can be used for predictive maintenance and/or process optimization.



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