



Process Instrumentation

When value and performance meet.

Your cost-effective, compact, intelligent level solution – SITRANS Probe LU240.

Engineered to last. At a price point that won't break budgets.

What do you install in that application that needs the best of both worlds: a hardworking and rugged device that provides reliable measurements without the high-end price tag?

Expect the unexpected with SITRANS Probe LU240.

This compact, rugged, and high-performance ultrasonic transmitter gives you the level, volume, and flow measurements you need with field-proven echo processing. Separating true material level echoes from false, Process Intelligence is effective, accurate, and unique to Siemens level devices.

What does this mean for you? Process Intelligence provides reliable readings while still allowing rapid response to actual changes in the material level.

With more than 40 years of level experience, combined with global sales and technical support for all your instrumentation needs, Siemens is your partner in ultrasonic level measurement.

Tackling your application challenges

From liquid chemical inventory to monitoring small process vessels monitoring to level monitoring measurement in the environmental industry, this versatile device lets you get on with your day. Easy setup with its 4-button user interface or remote configuration with SIMATIC PDM will have you up and running in no time.

How about dirty applications or those with buildup? SITRANS Probe LU240's maintenance-free active face technology keeps the sensor clean, giving you the reliable performance you need.

And for rugged applications in harsh environments the IP68 fully potted and encapsulated PVDF sensor is resistant to corrosion, chemicals and extreme shock.





Ultrasonics are ideal for environmental applications: our exclusive echo processing algorithms ensure reliable level readings every time. Accurate, proven features like auto-false echo suppression provide advanced capabilities you can depend on at a low cost of ownership.

Let's take a closer look:

- State-of-the-art Process Intelligence echo processing gives you improved accuracy and repeatability
- Need process temperature? Now available as a measurement value: one instrument, two variables
- Battery and solar-power friendly thanks to low start-up current and 10.5-volt operation
- Reduced blanking distance and near-range specification decreases waste while boosting asset utilization



Digitalization – evolving your business

Unparalleled access to intelligent instruments means you now have complete knowledge of what's happening in your plant at all times. Digitalization integrates critical field data into your entire operations, unlocking new opportunities to analyze your process and identify areas for improvement.

Connect SITRANS Probe LU240 to Siemens MindSphere Cloud for Industry with a SIMATIC IOT2040 or SIMATIC Nano through a PLC and see your operations open up before you.

Save time and maintenance costs with SITRANS Probe LU240's transparent lid. For manual observations, you no longer need to remove the device's lid, but instead can observe the values you need with ease.

SITRANS Probe LU240	
Channels	Non-contacting ultrasonic level, volume or flow measurement
Communication	HART 7
Enclosure rating	IP68, NEMA 4X
Display	Removable segmented
Power supply	10.5 - 30 VDC
Accuracy	+/- 6 mm or 0.15% of span
Measurement range	Up to 12 m
Temperature range	-40 to 85 °C
Approvals	CE, CSA, FM, ATEX, IEC Ex, Inmetro, SABs, EAC, NEPSI, KCs, KC, RCM, DNV, Lloyd's, BV, ABS, CCS

Measuring everything that matters:
[siemens.com/processinstrumentation](https://www.siemens.com/processinstrumentation)

Siemens Process Instrumentation offers best-in-class measurement and seamless integration into your automation system. We are the total solution provider for flow, level, pressure, temperature, weighing, positioners and more.

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