

SIEMENS



[siemens.com/sitransLUT400](https://www.siemens.com/sitransLUT400)

The evolution of accuracy in level measurement

SITRANS LUT400 – the world's most accurate level controller

Answers for industry.

SITRANS LUT400: the next generation in ultrasonic level measurement

Customer-driven features. Setup in under a minute. Intuitive operation. All of this plus world-leading accuracy. Welcome to the evolution of ultrasonics.

The new benchmark for accuracy!

High precision and unmatched simplicity: SITRANS LUT400 ultrasonic level controller's 1 mm (0.04") accuracy gives you unbeatable level measurement precision.

Superior flexibility

Flexibility is key for your operations. This compact, single-point controller is especially versatile for continuous level measurement of liquids, solids, or slurries in a wide range of applications: from water/wastewater level monitoring and pump control, inven-

tory management, crusher control, truck load-outs, and anything in between.

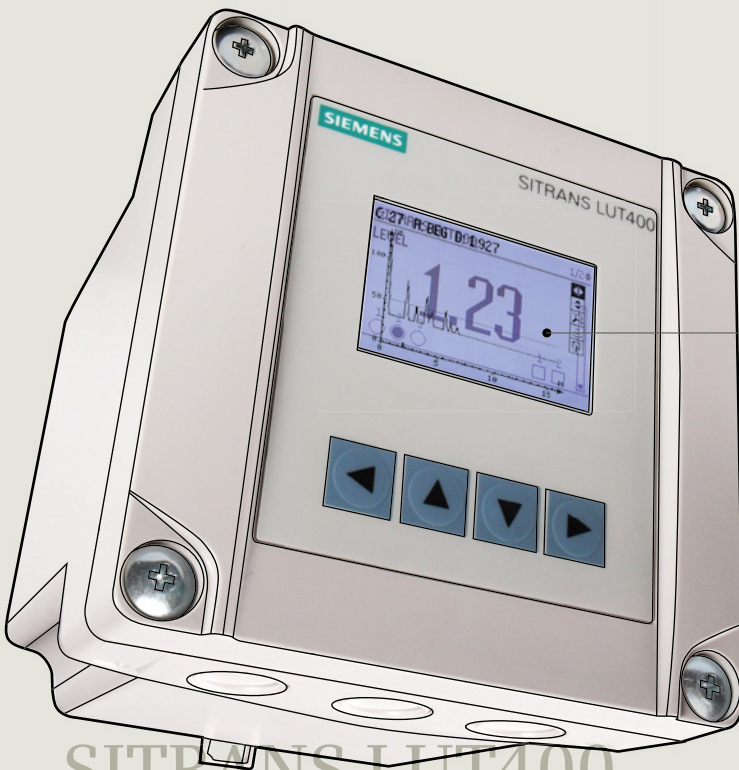
A strong team

Three models to suit your needs:

- SITRANS LUT420 Level and Volume Controller
- SITRANS LUT430 Level, Volume, Pump, and Flow Controller
- SITRANS LUT440 High Accuracy Open Channel Monitor, providing a full suite of advanced level, volume, and pump controls.



The evolution of ultrasonics



Echo profile – directly on the display

Precision where it matters most

Complete cost control

High accuracy means operations with SITRANS LUT400 are more cost-effective: inventory monitoring is always precise, processes can be better controlled, and expensive spill cleanups can be avoided.

Reliability means greater safety

A reliable, non-contacting ultrasonic level controller reduces the need to send operators to the application for maintenance. By keeping workers out of potentially hazardous situations, you immediately reduce the chance of accidents and the consequences to your company.

Consistent performance

SITRANS LUT400 is based on Siemens' decades of experience as the global market leader in ultrasonic level measurement. This controller has proven itself in countless applications around the world.

The versatile local user interface can be used for programming and remote display in a control panel up to 5 meters (16.4 feet) away.



Simply smarter

SITRANS LUT400 features Siemens' patented Sonic Intelligence for echo processing, which continuously evaluates and adjusts for noise level and changing process conditions. The controller has three relays combined with a suite of pump, alarm, and other control features.

Excellent compatibility

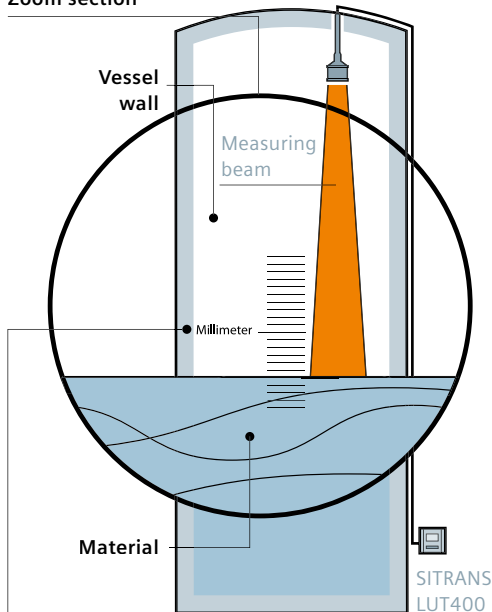
SITRANS LUT400 is compatible with the full line of Echomax ultrasonic transducers from Siemens. These transducers feature self-cleaning faces and submergence detection. With an operating range of 0.3 to 60 meters (1 to 200 ft), they are perfectly suited to a wide range of applications.



Lid with quarter-turn captivated fasteners for easy access.



Zoom section



A wealth of benefits

The SITRANS LUT400 offers users numerous benefits, including:

- Ease of use – local user interface with four-button programming, menu-driven parameters and Wizard support for key applications.
- Intuitive operations – graphical Quick Start Wizards guide you through setup and programming.
- Next generation Sonic Intelligence – improved performance in noisy environments thanks to new digital receiver technology.
- Consistently high performance – patented digital receiver technology guarantees reliability even in the most difficult applications.
- Cost savings – energy-saving algorithms and a real-time clock help to reduce your pump operating costs by avoiding peak tariff periods.
- Integrated datalogger – record historic performance and alarm events.
- Communications convenience – HART® communication with access via the local user interface, SIMATIC PDM, Emerson AMST™, FC375/475, FDTs and Web browser.
- Enhanced diagnostics – echo profile and trend view on the display.
- Installation simplicity – wall, pipe, panel, and DIN rail mounting configurations plus hassle-free wiring with removable terminal strips.

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