#### **SIEMENS**



# Simple to use, easy to install. The low maintenance solution.

Cost-effective, non-contacting level measurement



The Siemens ultrasonic instrumentation family has a long and successful history. We've always been a hardworking group, and we aim to please.

Reliable? You can count on it.

Intelligent and durable? We have both brains and brawn.

As a group, we've set the industry standard for accuracy and performance with our innovative approach to level measurement.

Even now, with solutions for more than a million applications, we're still growing! Introducing the newest member of our team: SITRANS LU150/LU180.

### More than four decades.

That's how long Siemens has been your partner in ultrasonic level measurement. In that time we've installed more than a million ultrasonic products around the world, from water/wastewater monitoring and pumping, inventory management, truck load-outs, and everything in between. It's clear that, when it comes to experience, we have the kind that matters. Now, to bolster the Siemens ultrasonic portfolio even more, we introduce SITRANS LU150/LU180, a cost-effective, easy-to-configure, low maintenance solution.

SITRANS LU150/LU180 is a short-range, noncontacting ultrasonic level measurement transmitter.

Designed primarily for liquid applications in the environmental, water/wastewater, and energy management industries, the device is ideal for non-contacting continuous level measurement of liquids and slurries in open or closed vessels.

IP68 rated, SITRANS LU150/LU180 has a rugged, fully encapsulated PVDF sensor that is resistant to corrosion, chemicals, and extreme shock.

With only two wires, installation of the unit is straightforward, and its two-button interface makes it both simple to configure and easy to use.

There are many mounting possibilities for SITRANS LU150/LU180, as there are four process connections to choose from, including the 4" Tri-clamp that allows the unit to be removed easily if necessary.

The reliability of the level readings are based on Sonic Intelligence echo processing algorithms that Siemens has been refining for decades. These algorithms differentiate the true material level echoes from the false ones that can result from acoustic or electrical noises, as well as from agitator blades in motion. It's effective, accurate, unique, and it's exclusively Siemens.

For enhanced functionality, such as remote displays, mounting options, and monitoring solutions, Siemens offers supplementary components and accessories to complete your level measurement package.

## SITRANS LU150/LU180 Benefits

- Easy to install, program, and maintain
- Accurate and reliable
- Tri-clamp process connection available
- Sonic Intelligence echo processing delivers accurate measurement you can depend on
- Integral temperature compensation
- IP68 rated for submersible applications
- Intrinsically safe rated for hazardous locations

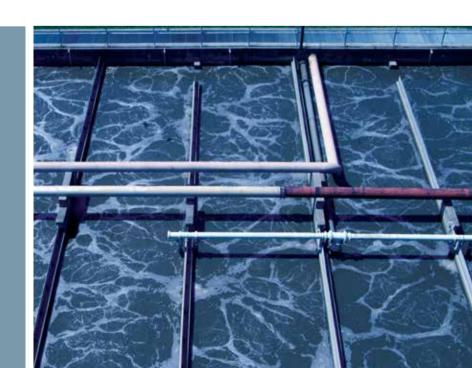




	SITRANS LU150/LU180
Order No.	SITRANS LU150 - 7ML5201 SITRANS LU180 - 7ML5202
	SITRANS LU150/LU180 is a short-range integrated ultrasonic level transmitter – ideal for liquids and slurries in your open or closed vessels.
Range	0.25 to 5 m (0.8 to 16 ft)
Accuracy	0.25% of full scale
Key features	<ul> <li>Sonic Intelligence provides highly reliable echo processing</li> <li>Easy to install and maintain</li> <li>Easy two-button programming</li> <li>PVDF transducer</li> <li>SITRANS LU150</li> <li>-30 to 60 °C (-30 to 140 °F)</li> <li>IP68 rated</li> <li>12° beam angle</li> <li>SITRANS LU180</li> <li>-40 to 60 °C (-40 to 140 °F)</li> <li>IP68 rated</li> <li>12° beam angle</li> </ul>
Output	4 to 20 mA output
Input	20 to 30 V DC, 2 wire
Cable entry connections	M20x1.5 or 1/2" NPT
Process connections	<ul><li>2" NPT</li><li>2" BSP</li><li>2" G</li><li>4" Tri-clamp</li></ul>
Approvals	SITRANS LU150 CE, cCSAus, SITRANS LU180 CE, cCSAus, ATEX, FM, IS, CSA, IECEx, NEPSI

### SITRANS LU150/LU180 Key Applications

- Chemical storage vessels
- Filter beds
- Mud pits
- Liquid storage vessels
- Food applications





Article No:. PDPA-B10113-00-7600 Dispo 27900 PDF only

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be registered trademarks of Siemens AG. All other designations in this document may represent trademarks whose use by third parties for their own purposes may violate the proprietary rights of the owner.

More information: siemens.com/level

Follow us on:

twitter.com/siemenssensors youtube.com/thinksiemens facebook.com/siemenssensors







Siemens AG Process Industries and Drives Siemensallee 84 76181 Karlsruhe Germany