

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 hard-working 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.

siemens.com/sitransLU150/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, non-contacting 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 style="list-style-type: none"> • Sonic Intelligence provides highly reliable echo processing • Easy to install and maintain • Easy two-button programming • PVDF transducer SITRANS LU150 <ul style="list-style-type: none"> • -30 to 60 °C (-30 to 140 °F) • IP68 rated • 12° beam angle SITRANS LU180 <ul style="list-style-type: none"> • -40 to 60 °C (-40 to 140 °F) • IP68 rated • 12° beam angle
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 style="list-style-type: none"> • 2" NPT • 2" BSP • 2" G • 4" Tri-clamp
Approvals	SITRANS LU150 CE, cCSA _{us} , SITRANS LU180 CE, cCSA _{us} , ATEX, FM, IS, CSA, IECEx, NEPSI

SITRANS LU150/LU180 Key Applications

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



Find out more:

siemens.com/sitransLU150/LU180

Find out more information about how SITRANS LU150/LU180 can cost-effectively solve your application needs.

Scan for more information



Article No.: PDPA-B10113-00-7600
Dispo 27900
PDF only
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Siemens AG
Process Industries and Drives
Siemensallee 84
76181 Karlsruhe
Germany