



Sonatax sc Sludge Level Sensor with magnetic coupled wiper, stainless steel body

Product #: LXV431.99.00001

AED Price: Contact Hach

The superior way of measuring sludge levels: Sonatax sc process probe

The probe uses an ultrasonic pulse to measure the sludge level. To ensure the greatest possible accuracy, the sensitivity adjusts automatically to fluctuating solids concentration and sludge profile.

An ultrasonic signal sent from the probe is directed towards the sludge blanket in the tank. Height and depth measurements are based on the time it takes for the ultrasonic echo to return to the probe and are displayed on a controller.

Efficient automatic wiper system to keep the ultrasonic head clean. The process probe is factory calibrated for long-term calibration stability. A simple correction factor allows adjustment to local conditions.

The sludge level in a wide range of applications in wastewater and drinking water treatment plants can be determined. Ideal for monitoring the solid/liquid interface. Structures (pipes, agitators, etc.) in the tanks can be accounted for.

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Safe: Early warning system guards against sludge loss

Determined: measured values are independent of solids content and water temperature

Precise: superior accuracy with automatic frequency adjustment

Reliable: correct measured values even with fluctuating profiles

Clear: graphic representation of sludge profile with SC1000 Controller

Specifications

Accuracy:	0.1 m (0.33 ft)
Cable length:	10 m (optional extension cables available)
Calibration:	Factory calibrated
Calibration method:	One-off on commissioning, automatic
Certifications:	CE certified to EN 61326-1:1998 /A1/A2/A3 & EN 61010-1:2001
Configurations:	Sensor only
Controller:	SC200, SC1000

Dimensions (D x L):	185 mm x 130 mm
Enclosure waterproof rating:	IP68
Flow:	Max. 3 m/s (the presence of air bubbles affects the measurement)
Length:	130 mm
Maintenance interval:	< 1 h/month typical
Material:	POM; wiper magnet encapsulating compound: epoxy resin; wiper rubber: silicone rubber
Measuring principle:	Ultrasonic measurement
Measuring range:	0.2 - 12 m sludge level
Mounting configurations:	Fixed pole mount, pivot mount or chain mount
Operating temperature range:	0 - 50 °C
Parameter:	Sludge level
	Sludge height
Power requirements (Voltage):	12 V, 2.4 W, provided by SC controller
Pressure range:	≤ 0.3 bar or ≤ 3 m
Resolution:	0.03 m sludge level
Response time (adjustable):	10 - 600 s
Temperature compensation:	Automatic
Warranty:	24 months
Weight:	3.5 kg
What's included?:	Sludge Level probe, user manual

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Sludge Level probe, user manual

Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)