

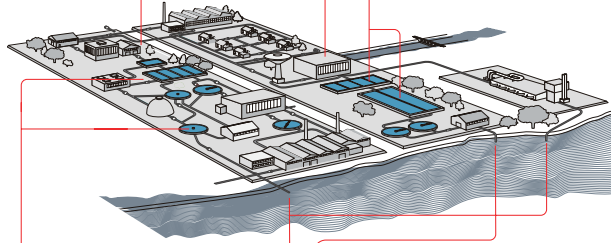
## Typical applications- water & waste water

### Chemical storage

- The LST200's polycarbonate enclosure is resistant to mild acid and base, chloride and oxidizers.

### Lagoons and settling ponds

- Easy setup menu and backlight help to simplify outdoor installation and commissioning.



### Open channel

- Built-in equations and supporting software for open channel flow save time and effort during setup and commissioning.

### Wet wells, lift stations and pumping stations

- Immune to noise caused by the presence of heavy equipment like variable speed drives, LST200 is the perfect choice in pumping stations.
- Submersible design protects against damage from flooding.

### Process basins including aeration, chlorine contact, skimmer tanks, sedimentation and flotation thickeners

- With advanced diagnostic functions such as detailed signal quality tracking and noise level diagnostics, the LST200 provides an easy to install alternative to remote instruments.
- Works easily in the presence of turbulence and foam using GAP (Gain, Amplitude, and Power) technology.

## Contact

### ABB Measurement & Analytics

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## LST200 ultrasonic level transmitter

The easy choice for intelligent level  
measurement



# Overview

Level measurement is a key requirement in many industries where accurate data on liquid levels is needed for purposes ranging from managing storage through to reporting. In water and wastewater treatment applications, where dozens of level devices may be used, a product that offers simple commissioning, reliable operation, fast delivery and easy maintenance offers tremendous customer value.

Developed in conjunction with our customers and drawing on ABB's extensive experience in level measurement, the LST200 ultrasonic level transmitter offers a simple, smart and reliable level measurement solution. Featuring a modular design, the LST200 utilizes the latest developments in digital sensing technology, including built-in smart chip and an interface for upgrading with future modern data acquisition methods such as NB-IoT, offering the full benefits of digitalization for improved measurement and sharing of data.

# General specifications

## Measurement range

0.35 to 8 m  
(13.78 to 314.96 in)

## Beam angle

(@ -3 dB, full angle): 10°

## Accuracy and repeatability

±3 mm or 0.25% of full span, whichever is larger

## Resolution

1 mm

## Update time

2 s

## Power supply

LST200-Basic: 15 to 30 VDC.  
LST200-LCD: 19 to 30 VDC.

Ripple: Maximum 5%

Power consumption  
60 mW to 600 mW

## Analog output

Two-wire output: 4 to 20 mA related to level/distance/volume/flow, full compensation for temperature effects

# Key features



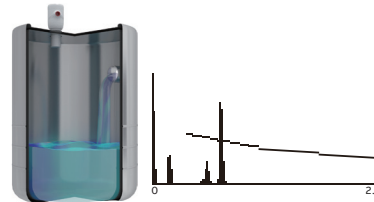
Easy setup menu and clear backlit for easy configuration within 1 minute



Modular design for quick delivery and easy maintenance



Embedded real-time waveform and diagnostic messages for quick trouble shooting



Intelligent algorithm allows the device to self-adapt to environmental changes



Winner of Red-dot which only awards "sought-after seal of quality that feature an outstanding design"



Patented sensor with active surface based on "Lotus Effect", anti-condensation and cleaning maintenance free



reddot design award