



## PROCESS INSTRUMENTATION

# Hydrostatic level measurement with our SITRANS LH300

[www.usa.siemens.com/pressure](http://www.usa.siemens.com/pressure)



The pressure transmitter SITRANS LH300 is a submersible sensor for hydrostatic level measurement with protective caps made of PPE, stainless steel and ETFE. The pressure transmitter measures the liquid levels in tanks, containers, channels and dams. The SITRANS LH300 pressure transmitters are available for various measuring ranges and with explosion protection as an option. A junction box and a cable hanger are available as accessories for simple installation.

SITRANS LH300 pressure transmitters can be used with a wide variety of applications, including:

- Shipbuilding
- Water/wastewater supply
- Drinking water facilities
- Unpressurized/open vessels and wells
- Desalination plants



These pressure transmitters are equipped with an electronic circuit fitted together with the sensor in a stainless steel housing. In addition, the connecting cable contains a vent pipe which is equipped with a humidity filter to prevent the buildup of condensation.

The diaphragm is protected against external influences by a protective cap. The sensor, the electronics and the connecting cable are housed in an enclosure with small dimensions. The pressure transmitter is temperature-compensated for a wide temperature range.



The pressure transmitter has a built-in ceramic sensor equipped with a Wheatstone resistance bridge.

#### Key benefits

- **Simple installation**  
Compact sensor design diameter 1.2 in; length 6.7 in
- **Flexible usage**  
Protective caps made of PPE, stainless steel and ETFE
- **Reliable measurement**  
Low measuring error (0.15% typical)
- Usage in drinking water  
99.6% purity ceramic sensor

#### Technical data

Measuring ranges	1-160 mH <sub>2</sub> O / 3-480 ftH <sub>2</sub> O
Sensor material	Al <sub>2</sub> O <sub>3</sub> (99.6% purity)
Housing material	Stainless steel 316L respectively 904L
Measuring accuracy	≤ 0.15% typical (0.3% max.)
Process temperature	14-176 °F
Long-term stability	≤ 0.15% / year
Cable length	Up to 3,300 ft
Cable material	PE, FEP
Protective cap material	316L / 904L / PPE / ETFE
Approvals	ATEX/IECEX, EAC, EACEx Pending: ACS, DNV/GL, LR, BV, ABS, UL

#### Legal Manufacturer

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