

SIEMENS

Ingenuity for life



Process Instrumentation

Hydrostatic level measurement with our SITRANS LH300

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 ₂ O / 3-480 ftH ₂ O
Sensor material	Al ₂ O ₃ (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

Siemens Industry, Inc.
Process Industries and Drives
100 Technology Drive
Alpharetta, GA 30005
1-800-365-8766

Subject to change without prior notice
Order No.: PIBR-B10221-0317
All rights reserved
Printed in USA
© 2017 Siemens Industry, Inc.

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 trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.