

## Pressure Measurement

Single-range transmitters for general applications

### SITRANS LH300 Transmitter for hydrostatic level

1

#### Overview



The pressure transmitter SITRANS LH300 is a submersible sensor for hydrostatic level measurement with cap made of PPE (left), stainless steel (mid) and ETFE (right).

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.

#### Benefits

- Compact design
- Simple installation
- Small error in measurement (0.15 % typical)
- Degree of protection IP68

#### Application

SITRANS LH300 pressure transmitters are used in the following branches, for example:

- Shipbuilding
- Water/waste water supply
- Drinking water facilities
- For use in unpressurized/open vessels and wells
- Desalination plants

#### Design

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

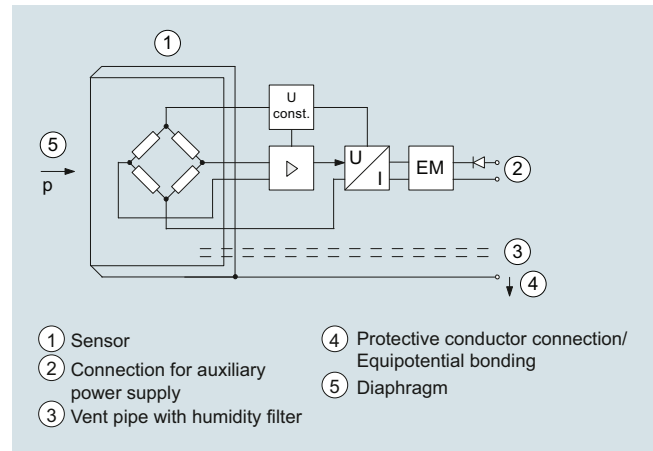
These pressure transmitters are equipped with an electronic circuit fitted together with the sensor in a stainless steel housing. In addition, the connecting cable contains a vent pipe which is equipped with a humidity filter to prevent the build-up of condensation.

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.

#### Function



SITRANS LH300 pressure transmitter, mode of operation and connection diagram

On one side of the sensor (1), the diaphragm (5) is exposed to the hydrostatic pressure which is proportional to the submersion depth. This pressure is compared with atmospheric pressure. Pressure compensation is carried out using the vent pipe (3) in the connecting cable. The vent pipe is equipped with a humidity filter which prevents the build-up of condensation in the vent pipe.

The hydrostatic pressure of the liquid column acts on the diaphragm of the sensor and transmits the pressure to the Wheatstone resistance bridge in the sensor.

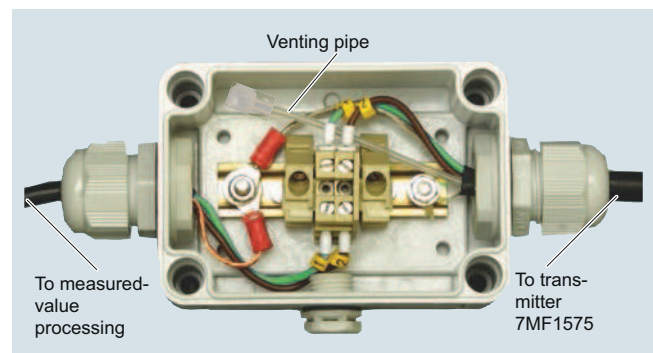
The output voltage of the sensor is applied to the electronic circuit where it is converted into an output current of 4 to 20 mA.

The protective conductor connection/equipotential bonding (4) is connected to the enclosure.

#### Integration

It is generally recommended that the connecting cable of the SITRANS LH300 transmitter is connected to the junction box, which can be ordered separately, and secured with the cable hanger, also available separately. The junction box has to be installed near the measuring point, but outside the media.

If the medium is anything other than water, it is also necessary to check compatibility with the specified materials of the transmitter, cable and gasket.



Junction box 7MF1575-8AA, open, schematic diagram

## Pressure Measurement

### Single-range transmitters for general applications

#### SITRANS LH300 Transmitter for hydrostatic level



Measuring point setup, generally with junction box 7MF1575-8AA and 7MF1575-8AB cable hanger

#### Technical specifications

##### Pressure transmitter SITRANS LH300 (submersible sensor)

###### Mode of operation

Measuring principle Piezo-resistive

###### Input

Measured variable	Hydrostatic level
Measuring range	Max. permissible operating pressure
<ul style="list-style-type: none"> <li>0 ... 1 mH<sub>2</sub>O (0 ... 3 ftH<sub>2</sub>O)</li> <li>0 ... 2 mH<sub>2</sub>O (0 ... 6 ftH<sub>2</sub>O)</li> <li>0 ... 3 mH<sub>2</sub>O (0 ... 9 ftH<sub>2</sub>O)</li> <li>0 ... 4 mH<sub>2</sub>O (0 ... 12 ftH<sub>2</sub>O)</li> <li>0 ... 5 mH<sub>2</sub>O (0 ... 15 ftH<sub>2</sub>O)</li> <li>0 ... 6 mH<sub>2</sub>O (0 ... 18 ftH<sub>2</sub>O)</li> <li>0 ... 10 mH<sub>2</sub>O (0 ... 30 ftH<sub>2</sub>O)</li> <li>0 ... 20 mH<sub>2</sub>O (0 ... 60 ftH<sub>2</sub>O)</li> <li>0 ... 40 mH<sub>2</sub>O (0 ... 120 ftH<sub>2</sub>O)</li> </ul>	<ul style="list-style-type: none"> <li>1.5 bar (21.8 psi) (corresponds to 15 mH<sub>2</sub>O (45 ftH<sub>2</sub>O))</li> <li>1.5 bar (21.8 psi) (corresponds to 15 mH<sub>2</sub>O (45 ftH<sub>2</sub>O))</li> <li>1.5 bar (21.8 psi) (corresponds to 15 mH<sub>2</sub>O (45 ftH<sub>2</sub>O))</li> <li>2 bar (29 psi) (corresponds to 20 mH<sub>2</sub>O (60 ftH<sub>2</sub>O))</li> <li>2 bar (29 psi) (corresponds to 20 mH<sub>2</sub>O (60 ftH<sub>2</sub>O))</li> <li>2 bar (29 psi) (corresponds to 20 mH<sub>2</sub>O (60 ftH<sub>2</sub>O))</li> <li>5 bar (72.5 psi) (corresponds to 50 mH<sub>2</sub>O (150 ftH<sub>2</sub>O))</li> <li>10 bar (145 psi) (corresponds to 100 mH<sub>2</sub>O (300 ftH<sub>2</sub>O))</li> <li>20 bar (290 psi) (corresponds to 200 mH<sub>2</sub>O (600 ftH<sub>2</sub>O))</li> </ul>
Special measuring ranges	<ul style="list-style-type: none"> <li>20 bar (290 psi) (corresponds to 200 mH<sub>2</sub>O (600 ftH<sub>2</sub>O))</li> <li>24 bar (348 psi) (corresponds to 240 mH<sub>2</sub>O (720 ftH<sub>2</sub>O))</li> </ul>
<ul style="list-style-type: none"> <li>Up to 100 mH<sub>2</sub>O (300 ftH<sub>2</sub>O)</li> <li>Up to 160 mH<sub>2</sub>O (480 ftH<sub>2</sub>O)</li> </ul>	

###### Measuring range

<ul style="list-style-type: none"> <li>0 ... 0.1 bar</li> <li>0 ... 0.2 bar</li> <li>0 ... 0.3 bar</li> <li>0 ... 0.4 bar</li> <li>0 ... 0.5 bar</li> <li>0 ... 0.6 bar</li> <li>0 ... 1 bar</li> <li>0 ... 2 bar</li> <li>0 ... 4 bar</li> </ul>	<ul style="list-style-type: none"> <li>1.5 bar</li> <li>1.5 bar</li> <li>1.5 bar</li> <li>2 bar</li> <li>2 bar</li> <li>2 bar</li> <li>5 bar</li> <li>10 bar</li> <li>20 bar</li> </ul>
---	---

###### Special measuring range

<ul style="list-style-type: none"> <li>Up to 10 bar</li> <li>Up to 16 bar</li> </ul>	<ul style="list-style-type: none"> <li>20 bar</li> <li>24 bar</li> </ul>
--	--

###### Output

Output signal 4 ... 20 mA

###### Measuring accuracy

Error in measurement at limit setting including hysteresis and reproducibility	<ul style="list-style-type: none"> <li>≤ 0.15 % of full-scale value (typical)</li> <li>≤ 0.3 % of full-scale value (maximum)</li> </ul>
Influence of ambient temperature	≤ 0.05 %/10 K of full-scale value (zero and span)
Long-term stability	≤ 0.15 % of full-scale value/year (zero and span)

###### Rated conditions

Ambient conditions	
<ul style="list-style-type: none"> <li>Process temperature</li> <li>Storage temperature</li> </ul>	<ul style="list-style-type: none"> <li>-10 ... +80 °C (14 ... 176 °F)</li> <li>-20 ... +80 °C (-4 ... +176 °F)</li> </ul>
Degree of protection according to IEC 60529	IP68

## Pressure Measurement

### Single-range transmitters for general applications

#### SITRANS LH300 Transmitter for hydrostatic level

##### Design

Weight	≈ 0.4 kg ( ≈ 0.88 lb)
• Pressure transmitter	≈ 0.4 kg ( ≈ 0.88 lb)
• Cable	0.08 kg/m ( ≈ 0.059 lb/ft)
Maximal freely suspended length	300 m (990 ft)
Electrical connection	Cable with 2 conductors, vent pipe and integrated humidity filters
Material	
• Seal diaphragm	Al <sub>2</sub> O <sub>3</sub> ceramic, 99.6 %
• Enclosure	Stainless steel, mat. no. 1.4404/316L and 1.4539/904L (sea water applications) respectively
• Gasket	FPM (standard) EPDM (optional)
• Connecting cable	PE (standard/drinking water applications) FEP (for aggressive media)
• Cap	Stainless steel, PPE or ETFE

##### Auxiliary power

Terminal voltage on pressure transmitter $U_B$	10 ... 33 V DC for transmitter without explosion protection 10 ... 30 V DC for transmitter with intrinsic safety explosion protection
--	--

##### Certificates and approvals

Drinking water approval (ACS)	17 ACC NY 055
Drinking water approval (WRAS)	Pending
Drinking water approval (DVGW/ KTW W270)	Pending
EAC	TC N RU Д-DE.ГА02.B.05092
Underwriters Laboratories (UL)	ML File No. E344532, issued 2017-08-17
Shipbuilding approval (LR)	Pending
Shipbuilding approval (DNV/GL)	Pending
Shipbuilding approval (BV)	Pending
Shipbuilding approval (ABS)	Pending
Pressure equipment directive	The transmitter is not subject to the pressure equipment directive (PED 2014/68/EU)
Explosion protection	
• ATEX	SEV 16 ATEX 0121
• IEC Ex	IEC Ex SEV 16.0003
• EAC Ex	TC RU C-DE.AA87.B.00324
• Intrinsic safety "i"	
- Marking	II 1 G Ex ia IIC T4 Ga

##### Junction box

<b>Application</b>	For connecting the transmitter cable
--------------------	--------------------------------------

##### Design

Weight	0.2 kg (0.44 lb)
Electrical connection	2 x 3-way (28 to 18 AWG)
Cable entry	2 x PG 13.5
Enclosure material	Polycarbonate
Vent pipe for atmospheric pressure	

##### Rated conditions

Degree of protection according to IEC 60529	IP65
---	------

##### Cable hanger

<b>Application</b>	For mounting the transmitter
--------------------	------------------------------

##### Design

Weight	0.16 kg (0.35 lb)
Material	Galvanized steel, polyamide
Terminal area	For cable with a diameter of 5.5 ... 9.5 mm

**Pressure Measurement**

Single-range transmitters for general applications

**SITRANS LH300 Transmitter for hydrostatic level**

Selection and ordering data		Article No.	Order code
<b>Pressure transmitter SITRANS LH300 (submersible sensor)</b>		7 MF 1 5 7 5 -	
For hydrostatic level measurement, submersible transmitter, two-wire connection, 4 ... 20 mA, body material see Order option, measuring cell Al <sub>2</sub> O <sub>3</sub> ceramics (99.6 % purity), with fixed mounted cable, material of protective cap at PE cable: PPE (colour black) material of protective cap at FEP cable: PPE (colour white) Note: junction box and cable hanger have to be ordered separately. ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			
Measuring range	Cable length (PE cable)		
0 ... 1 mH <sub>2</sub> O	5 m	1 A	
0 ... 2 mH <sub>2</sub> O	5 m	1 B	
0 ... 3 mH <sub>2</sub> O	10 m	1 C	
0 ... 4 mH <sub>2</sub> O	10 m	1 D	
0 ... 5 mH <sub>2</sub> O	10 m	1 E	
0 ... 6 mH <sub>2</sub> O	10 m	1 F	
0 ... 10 mH <sub>2</sub> O	20 m	1 H	
0 ... 20 mH <sub>2</sub> O	30 m	1 K	
0 ... 40 mH <sub>2</sub> O	50 m	1 L	
0 ... 3 ftH <sub>2</sub> O	5 m (≈ 15 ft)	2 A	
0 ... 6 ftH <sub>2</sub> O	5 m (≈ 15 ft)	2 B	
0 ... 9 ftH <sub>2</sub> O	10 m (≈ 30 ft)	2 C	
0 ... 12 ftH <sub>2</sub> O	10 m (≈ 30 ft)	2 D	
0 ... 15 ftH <sub>2</sub> O	10 m (≈ 30 ft)	2 E	
0 ... 18 ftH <sub>2</sub> O	10 m (≈ 30 ft)	2 F	
0 ... 30 ftH <sub>2</sub> O	20 m (≈ 60 ft)	2 H	
0 ... 60 ftH <sub>2</sub> O	30 m (≈ 90 ft)	2 K	
0 ... 120 ftH <sub>2</sub> O	50 m (≈ 150 ft)	2 L	
0 ... 0.1 bar	5 m	3 A	
0 ... 0.2 bar	5 m	3 B	
0 ... 0.3 bar	10 m	3 C	
0 ... 0.4 bar	10 m	3 D	
0 ... 0.5 bar	10 m	3 E	
0 ... 0.6 bar	10 m	3 F	
0 ... 1 bar	20 m	3 H	
0 ... 2 bar	30 m	3 K	
0 ... 4 bar	50 m	3 L	
Special versions: Measuring ranges for special versions between			
0 ... 1 mH <sub>2</sub> O and 0 ... 160 mH <sub>2</sub> O or			
0 ... 3 ftH <sub>2</sub> O and 0 ... 530 ftH <sub>2</sub> O or			
0 ... 0.1 bar and 0 ... 16 bar possible.			

Selection and ordering data		Article No.	Order code
<b>Pressure transmitter SITRANS LH300 (submersible sensor)</b>		7 MF 1 5 7 5 -	
Special cable length Please add „-Z“ to Article No. and specify Order code and plain text: Y01: Cable length .....			
<b>PE cable for general purpose and drinking water applications</b>			
Special cable length		9 X	H . . + Y 0 1
Please add „-Z“ to Article No. and specify Order code and plain text: Y01: Cable length .....			
3 m (≈ 10 ft)			H 1 A
5 m (≈ 16 ft)			H 1 B
7 m (≈ 23 ft)			H 1 C
10 m (≈ 33 ft)			H 1 D
15 m (≈ 50 ft)			H 1 E
20 m (≈ 65 ft)			H 1 F
25 m (≈ 80 ft)			H 1 G
30 m (≈ 100 ft)			H 1 H
40 m (≈ 130 ft)			H 1 J
50 m (≈ 160 ft)			H 1 K
60 m (≈ 200 ft)			H 1 L
70 m (≈ 230 ft)			H 1 M
80 m (≈ 265 ft)			H 1 N
90 m (≈ 295 ft)			H 1 P
100 m (≈ 330 ft)			H 1 Q
125 m (≈ 410 ft)			H 1 R
150 m (≈ 495 ft)			H 1 S
175 m (≈ 575 ft)			H 1 T
200 m (≈ 650 ft)			H 1 U
225 m (≈ 740 ft)			H 1 V
250 m (≈ 820 ft)			H 1 W
275 m (≈ 900 ft)			H 1 X
300 m (≈ 990 ft)			H 2 A
350 m (≈ 1150 ft)			H 2 B
400 m (≈ 1320 ft)			H 2 C
450 m (≈ 1480 ft)			H 2 D
500 m (≈ 1650 ft)			H 2 E
550 m (≈ 1815 ft)			H 2 F
600 m (≈ 1980 ft)			H 2 G
650 m (≈ 2145 ft)			H 2 H
700 m (≈ 2310 ft)			H 2 J
750 m (≈ 2475 ft)			H 2 K
800 m (≈ 2640 ft)			H 2 L
850 m (≈ 2800 ft)			H 2 M
900 m (≈ 2970 ft)			H 2 N
950 m (≈ 3135 ft)			H 2 P
1000 m (≈ 3300 ft)			H 2 Q
Other special cable length Please add „-Z“ to Article No. and specify Order codes and plain text: H1Y: Cable length .....		9 X	H 1 Y + Y 0 1
Y01: Measuring range .....			

## Pressure Measurement

### Single-range transmitters for general applications

1

#### SITRANS LH300 Transmitter for hydrostatic level

Selection and ordering data	Article No.	Order code	Selection and ordering data	Article No.	Order code
<b>Pressure transmitter SITRANS LH300 (submersible sensor)</b>	<b>7 MF 1 5 7 5 -</b>		<b>Pressure transmitter SITRANS LH300 (submersible sensor)</b>	<b>7 MF 1 5 7 5 -</b>	
<b>FEP cable for aggressive media</b>			<b>Material of housing</b>		
Special cable length Please add „-Z“ to Article No. and specify Order code and plain text: Y01: Cable length .....	<b>9 X</b>	<b>H . . + Y 0 1</b>	Stainless steel 316L (1.4404)	<b>A</b>	
3 m (≈ 10 ft)		<b>H 5 A</b>	Stainless steel 316L (1.4404)	<b>B</b>	
5 m (≈ 16 ft)		<b>H 5 B</b>	Stainless steel 316L (1.4404)	<b>C</b>	
7 m (≈ 23 ft)		<b>H 5 C</b>	Stainless steel 904L (1.4539) for sea water applications	<b>D</b>	
10 m (≈ 33 ft)		<b>H 5 D</b>	Stainless steel 904L (1.4539) for sea water applications	<b>E</b>	
15 m (≈ 50ft)		<b>H 5 E</b>	Stainless steel 904L (1.4539) for seawater applications	<b>F</b>	
20 m (≈ 65 ft)		<b>H 5 F</b>	<b>Sealing material between sensor and housing</b>		
25 m (≈ 80 ft)		<b>H 5 G</b>	FPM (Standard)	<b>1</b>	
30 m (≈ 100 ft)		<b>H 5 H</b>	EPDM (for drinking water)	<b>2</b>	
40 m (≈ 130 ft)		<b>H 5 J</b>	<b>Explosion protection</b>		
50 m (≈ 160 ft)		<b>H 5 K</b>	without	<b>0</b>	
60 m (≈ 200 ft)		<b>H 5 L</b>	With ATEX II1 G Ex ia IIC T4 Ga, IECEx Ex ia IIC T4 Ga and EAC Ex (only possible for cable length ≤ 300 m (990 ft))	<b>1</b>	
70 m (≈ 230 ft)		<b>H 5 M</b>	<b>Additional versions</b>		Order code
80 m (≈ 265 ft)		<b>H 5 N</b>	Quality Inspection Certificate (factory calibration) to IEC 60770-2 (6 points upward)		<b>C11</b>
90 m (≈ 295 ft)		<b>H 5 P</b>	<b>Accessories/spare parts</b>		Article No.
100 m (≈ 330 ft)		<b>H 5 Q</b>	<b>Junction box</b>		<b>7MF1575-8AA</b>
125 m (≈ 410 ft)		<b>H 5 R</b>	<b>Cable hanger</b>		<b>7MF1575-8AB</b>
150 m (≈ 495 ft)		<b>H 5 S</b>	<b>Protective caps, PPE, as spare part (10-pack)</b>		<b>7MF1575-8AD</b>
175 m (≈ 575 ft)		<b>H 5 T</b>	<b>Protective caps, ETFE, as spare part (10-pack)</b>		<b>7MF1575-8AE</b>
200 m (≈ 650 ft)		<b>H 5 U</b>	<b>Humidity filters as spare part (10-pack)</b>		<b>7MF1575-8AF</b>
225 m (≈ 740 ft)		<b>H 5 V</b>	<b>Protective cap, stainless steel 316L (1.4404) for waste water applications</b>		<b>7MF1575-8AG</b>
250 m (≈ 820 ft)		<b>H 5 W</b>	<b>Protective cap, stainless steel 904L (1.4539) for sea water applications</b>		<b>7MF1575-8AH</b>
275 m (≈ 900 ft)		<b>H 5 X</b>			
300 m (≈ 990 ft)		<b>H 6 A</b>			
350 m (≈ 1150 ft)		<b>H 6 B</b>			
400 m (≈ 1320 ft)		<b>H 6 C</b>			
450 m (≈ 1480 ft)		<b>H 6 D</b>			
500 m (≈ 1650 ft)		<b>H 6 E</b>			
550 m (≈ 1815 ft)		<b>H 6 F</b>			
600 m (≈ 1980 ft)		<b>H 6 G</b>			
650 m (≈ 2145 ft)		<b>H 6 H</b>			
700 m (≈ 2310 ft)		<b>H 6 J</b>			
750 m (≈ 2475 ft)		<b>H 6 K</b>			
800 m (≈ 2640 ft)		<b>H 6 L</b>			
850 m (≈ 2800 ft)		<b>H 6 M</b>			
900 m (≈ 2970 ft)		<b>H 6 N</b>			
950 m (≈ 3135 ft)		<b>H 6 P</b>			
1000 m (≈ 3300 ft)		<b>H 6 Q</b>			
Other special cable length Please add „-Z“ to Article No. and specify Order codes and plain text: H1Y: Cable length .....	<b>9 X</b>	<b>H 5 Y + Y 0 1</b>			
Y01: Measuring range .....					

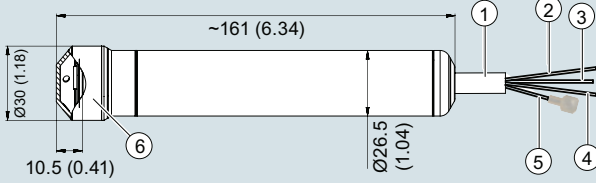
## Pressure Measurement

Single-range transmitters for general applications

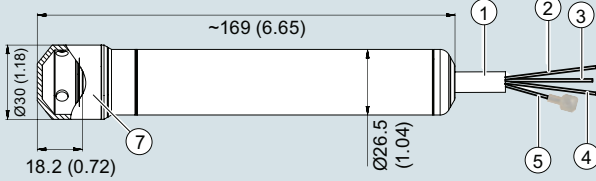
### SITRANS LH300 Transmitter for hydrostatic level

#### Dimensional drawings

##### Sensor with protective cap (PPE, ETFE)

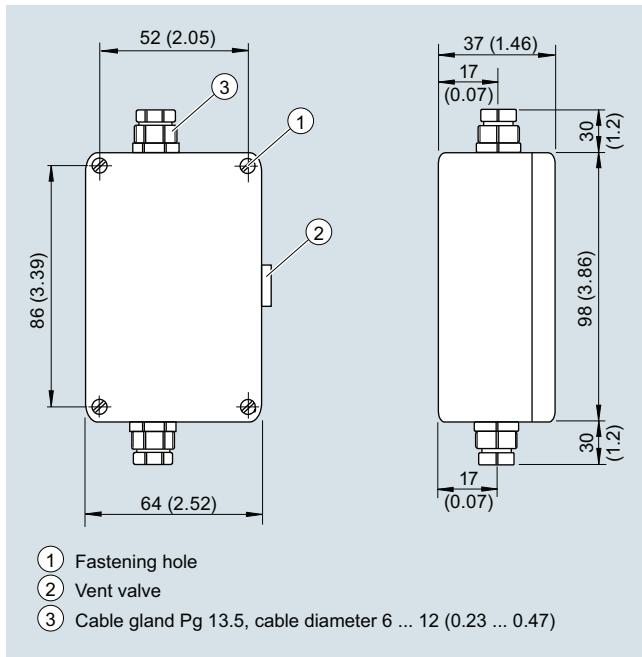


##### Sensor with protective cap (stainless steel)

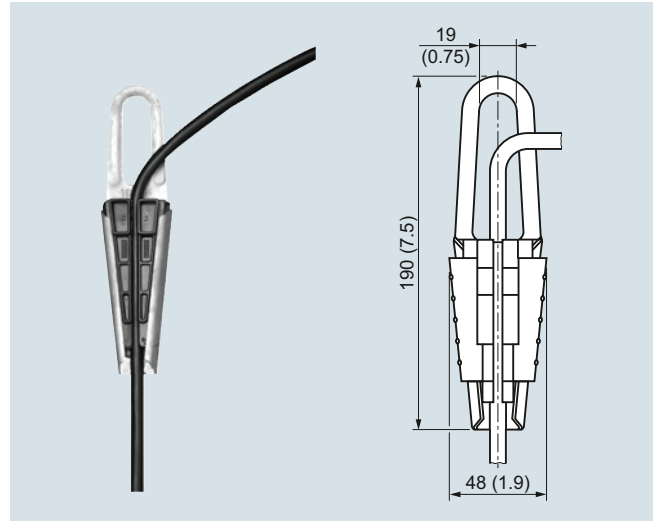


- ① Cable, sheath Ø 8.3 (0.33)
- ② - (blue)
- ③ + (brown)
- ④ Protective conductor connection/Equipotential bonding (black)
- ⑤ Vent pipe with humidity filter Ø 1 (0.04) (inner diameter)
- ⑥ Protective cap (PPE or PTFE) with 4 x Ø 2.5 (0.10) holes
- ⑦ Protective cap (stainless steel) with 4 x Ø 5 (0.20) holes

SITRANS LH300 pressure transmitter, dimensions in mm (inch)



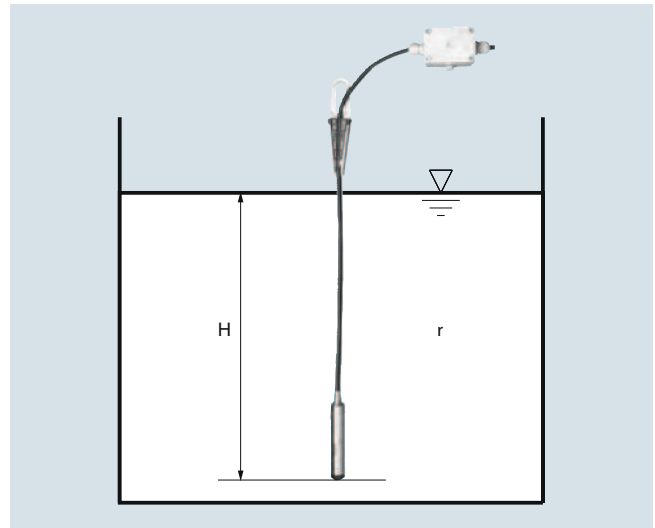
Junction box, dimensions in mm (inch)



Cable hanger, dimensions in mm (inch)

#### More information

##### Determination of the measuring range for medium water



Calculation of the measuring range:

$$p = \rho \times g \times H$$

with:

- $\rho$  = density of medium
- $g$  = local acceleration due to gravity
- $H$  = maximum level

Example:

- Medium: Water,  $\rho = 1\,000\text{ kg/m}^3$
- Acceleration due to gravity:  $9.81\text{ m/s}^2$
- Start-of-scale: 0 m
- Maximum level: 6.0 m
- Cable length: 10 m

Calculation:

$$p = 1\,000\text{ kg/m}^3 \times 9.81\text{ m/s}^2 \times 6.0\text{ m}$$

$$p = 58\,860\text{ N/m}^2$$

$$p = 589\text{ mbar}$$

Transmitter to be ordered:

**7MF1575-1FA10**

Plus, if required, junction box 7MF1575-8AA and cable hanger 7MF1575-8AB

## EU Declaration of Conformity EU-Konformitätserklärung EU-Déclaration de Conformité



No. A5E39677475A/001

Manufacturer: Siemens AG

Hersteller:

Fabricant:

Address: DE-76181 Karlsruhe

Anschrift:

Adresse:

Product description: **Pressure transmitter / Druckmessumformer**

Produktbezeichnung: **SITRANS LH300**

Identificateur: **Type / Typ 7MF1575-abcde**

**The product described above in the form as delivered is in conformity with the provisions of the following European Directives:**

**Das bezeichnete Produkt stimmt in der von uns in Verkehr gebrachten Ausführung mit den Vorschriften folgender Europäischer Richtlinien überein:**

**Le produit mentionné ci-dessus, tel qu'il est livré, est conforme aux dispositions des Directives Européennes suivantes :**

2014/30/EU EMC	Directive of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to electromagnetic compatibility <i>Richtlinie des Europäischen Parlaments und des Rates zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit</i> <i>Directive du parlement Européen et du conseil relative à l'harmonisation des législations des États membres concernant la compatibilité électromagnétique</i>
2014/34/EU ATEX	Directive of the European Parliament and the Council on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres <i>Richtlinie des Europäischen Parlaments und des Rates zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen</i> <i>Directive du parlement Européen et du conseil relative à l'harmonisation des législations des États membres concernant les appareils et les systèmes de protection destinés à être utilisés en atmosphères explosibles</i>
2011/65/EU RoHS	Directive of the European Parliament and the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment. <i>Richtlinie des Europäischen Parlaments und des Rates zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten.</i> <i>Directive du parlement Européen et du relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques</i>

Karlsruhe, 10.11.2016

Siemens Aktiengesellschaft

**Volker Rissland,**  
Research & Development / Entwicklung  
(Name, function / Funktion)

**Jürgen Pflaum,**  
Quality / Qualität  
(Name, function / Funktion)

signature / Unterschrift

signature / Unterschrift

Annex A is integral part of this declaration.  
*Anhang A ist integraler Bestandteil dieser Erklärung.*  
*L'annexe A fait partie intégrante de la présente déclaration*

This declaration certifies the conformity to the specified directives but contains no assurance of properties.  
*Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.*  
*La présente déclaration atteste la conformité aux Directives citées. Elle n'est pas assimilable à un descriptif justifiant certaines propriétés.*  
*La documentation relative à la sécurité accompagnant le produit doit être examiné en détail.*

Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Gerhard Cromme; Managing Board: Joe Kaeser, Chairman, President and Chief Executive Officer; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas; Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin Charlottenburg, HRB 12300, Munich, HRB 6684; WEEE-Reg.-No. DE 23691322

**Annex A to the EU Declaration of Conformity**  
**Anhang A zur EU-Konformitätserklärung**  
**Annexe A de la Déclaration de conformité**

**No. A5E39677475A/001**

**Product description: Pressure transmitter / Druckmessumformer**  
**Produktbezeichnung SITRANS LH300**  
**Identificateur: Type / Typ 7MF1575-abcde**

Conformity to the Directives indicated on page 1 is assured through the application of the following standards (depending on versions):

*Die Konformität mit den auf Blatt 1 angeführten Richtlinien wird nachgewiesen durch die Einhaltung folgender Normen (variantenabhängig):*

*La conformité aux Directives indiquées sur la page 1 est garantie par l'application des normes suivantes (selon les versions):*

Directive Richtlinie Directive	Standard / Reference number Norm / Referenznummer Norme / référence	Edition Ausgabedatum Edition	a=	b=	c=	d=	e=
2014/30/EU	EN 61326-1 *	2013	1, 2, 3, 9	A, B, C, D, E, F, H, K, L, X	A, B, C, D, E, F	1,2	0,1
2014/30/EU	EN 61326-2-3 *	2013					
2014/30/EU	EN 55011	2009/A1:2010					
2014/34/EU	EN 60079-0	2012/A11:2013					
2014/34/EU	EN 60079-11	2012					
2014/34/EU	EN 60079-26	2015					1

Note 1: The manufacturer declares that this product complies with the requirements of the new editions of the standards. The changes of the new editions have been checked and do not affect this product.

\* all environments included / *beinhaltet alle Umgebungen / dans tout type d'environnement*

Certificates:

Zertifikate:

Certificat:

EC-type examination certificate EG-Baumusterprüfbescheinigung Certificat évaluation de type	Marking Kennzeichnung Marquage
SEV 16 ATEX 0121	II 1 G

Inspection / Surveillance:

Kontrolle / Überwachung:

Controlle / Supervision:

Directive Richtlinie Directive		Notified Body Product Quality Assurance Benannte Stelle Qualitätssicherung Produktion Organisme notifié	No.:
2014/34/EU	ATEX	Sira Certification Service, CSA Group Testing UK Ltd – Unit 6, Hawarden Industrial Park, Hawarden, Deeside, CH5 3US, United Kingdom	0518