

Datasheet for

Transmitters SITRANS LH300 for hydrostatic level measurement, submersible transmitter, two-wire connection, 4...20 mA, measuring cell Al₂O₃ ceramics (99,6% purity) with fixed mounted cable material

Ordering data: **7MF15751LA10**

General

Manufacturer	Siemens
Supplier	Siemens
Product designation	gauge pressure transmitter
Brand name	SITRANS LH300
Type designation	Transmitters SITRANS LH300 for hydrostatic level measurement, submersible transmitter, two-wire connection, 4...20 mA, measuring cell Al ₂ O ₃ ceramics (99,6% purity) with fixed mounted cable material
Net weight	0.7 kg
Slogan	Hydrostatic level measurement with the SITRANS LH300

Mode of operation and application

Measuring principle	piezo-resistive
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Input

Measurand	hydrostatic level, Pressure, relative
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Measuring range

Measuring range, relative	0 mH ₂ O...40 mH ₂ O
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Output

Current output

Signal range	4 ... 20 mA
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Operating conditions

Medium temperature	-10 °C...+80 °C
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Pressure

Operating pressure, relative (maximum)	20 bar
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Environmental conditions

Ambient temperature during operation	-10 °C...+80 °C
Ambient temperature during storage	-20 °C...+80 °C

Degree of protection

IP rating	IP68
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Electromagnetic compatibility EMC

Standard for EMC	EN 61326-2
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Structural Design

Mechanical design

Model of the measuring transmitter	compact version, sensor integrated
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Material

Enclosure

Material	stainless steel
Material number according to DIN EN 10027-2	1.4404
Material number according to AISI	316L
Material of the protective cap	polyphenyleneether (PPE)

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Separation & Measuring Membrane

Material of the separation membrane ceramic (Al₂O₃)

Miscellaneous

Material of the gasket between sensor and housing fluorocarbon-rubber (FKM/FPM)

Electrical connections

Length of the connection cable 50 m

Power supply

Electrical

Voltage type	DC
Nominal voltage, DC	24 V
Supply voltage, DC	10 V...33 V
Current consumption (maximum)	20 mA

Certificates and approvals

The information provided in this data sheet contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.