
Thermowell Type LOS

- Easy to replace sensor
 - Thermowell with weld-on flange
 - Maximum 50 bar
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Thermowell with flange connection

Type LOS is a thermowell used in LPG and tanks for installation/ replacement of sensors without having to drain or evacuate the process.

“ Special Conditions for Safe use”

1. Sensor types OPE with a diameter of Ø6 mm may only be used when mounted into Thermowell type LOS.
2. Only ATEX certified cable glands in type of protection Ex” d” must be used.
3. For temperatures below -20 °C and above +70 °C only cable suitable for the temperature must be used.
4. Any dust layer must not exceed 50 mm
5. The thermo sensor head must be protected from radiated and conducted heat from the process so that the specified ambient temperature ai not exceeded.
6. The Thermo Probe Type OPE Ø6 must not be separated from the Thermowell if a flammable atmosphere is present.
7. Probes must be protected from any kind of mechanical Impact.

Material for thermowell is stainless steel AISI 316L / EN 1.4404
Max. pressure: 50 bars.

To be ordered with temperature sensors such as type OPE, B, BF.

Application



PROCESS INDUSTRY

Approvals

DTI 21ATEX0154X

CE 0402  II 1/2 GD

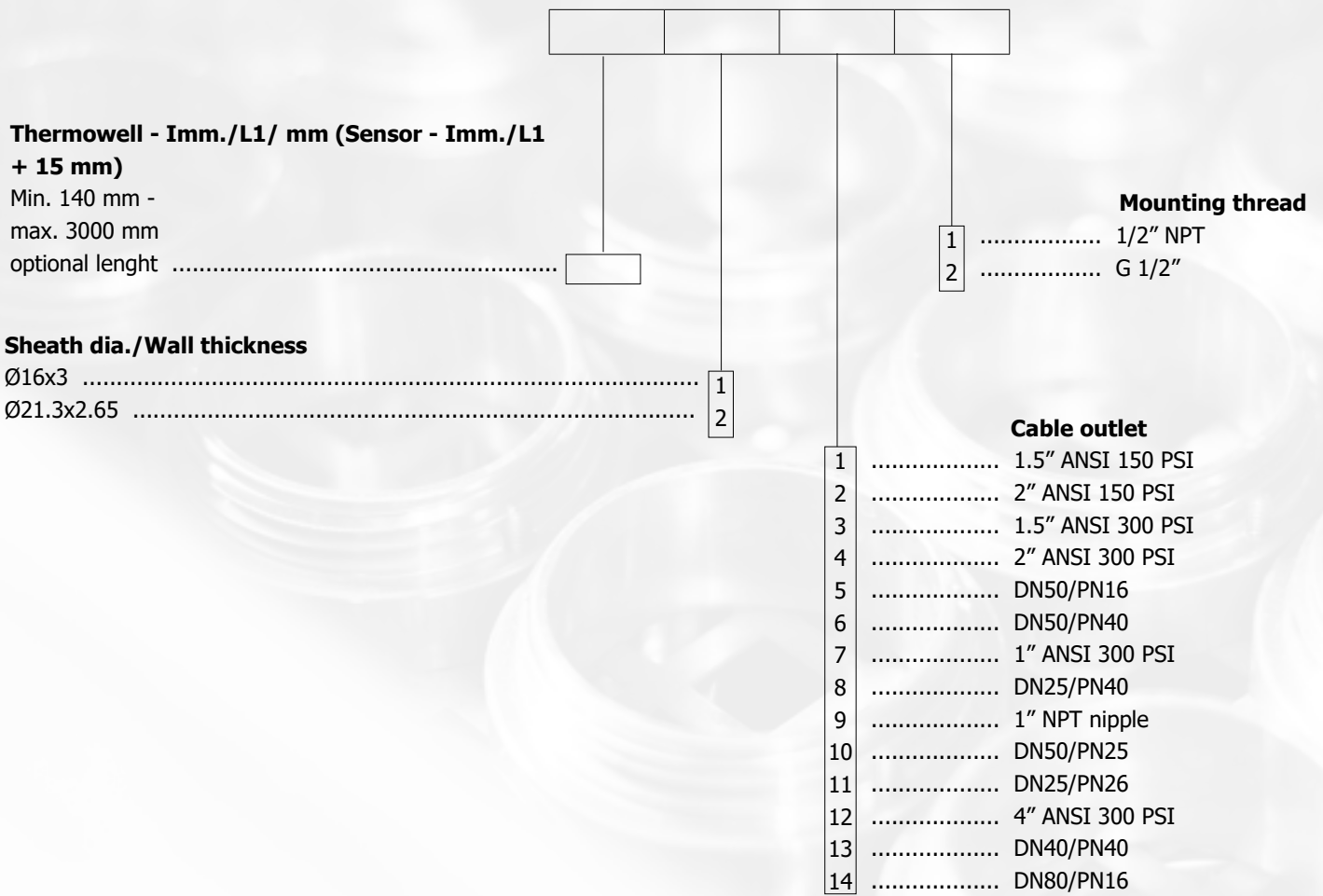
Ex db IIC T4 Gb, Tamb: -40° C to +100° C

Ex tb IIIC T135° C Db

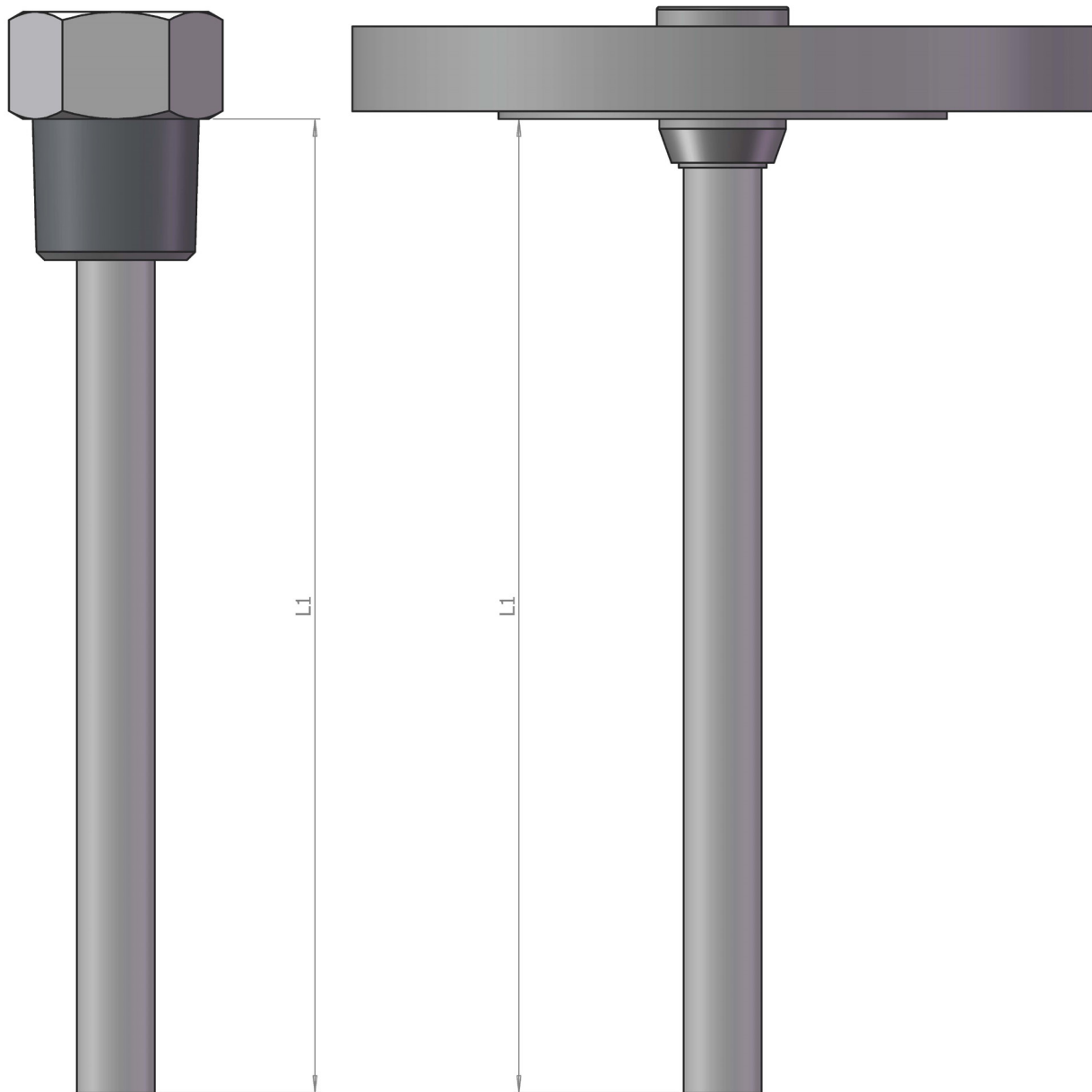
Specifications - Type LOS

Range of measurement / temperature	-196° C - +500° C
Temperature range - environment	-196° C - +500° C
Response time - water at 0.4 m/s	NA
Response time - air at 3.0 m/s	NA
Material / steel types	EN 1.4404
Number of wires	NA
Test of vibration	NA
Torque	NA
Thrust	50 bars
Output signal	NA
Current	NA
Element (ex. PT100), according to Standard EN 60751	NA
Proofing	NA
Cable outlet	NA
Exchangeable / firm cartridge	NA
Process connection	See configurator

Configurator - Type LOS



Drawings - Type LOS



Certificate of Conformity - Type LOS

As manufacturer Senmatic A/S, Industrivej 8, DK-5471 Sønderød hereby declares that the following products:

Type: Type-LOS – Thermowell

Name: Type-LOS – Thermowell

From serial no.:

is in conformity with the following directives and standards:

The RoHS Directive 2011/65/EU

The product has been manufactured according to Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The REACH Directive EC 1907/2006

Senmatic A/S is familiar with EU's Chemicals Directive REACH (EF no. 1907/2006).

We have therefore requested and received statements from all our suppliers to the effect that they comply with the regulations of the REACH directive.


By this document we confirm that we do not import substances from other countries outside the EU in quantities exceeding 1 ton a year.

Mogens Skriver Nielsen
Product Manager

Sønderød, DK, Date

Declaration of Conformity - Type LOS

We SENMATIC A/S declares under our sole responsibility that:

Product	Type LOS
Type	Type LOS
Senmatic part number	xxxxxx-xxxx
Week/year of production	xx/xxxx
Product marking	DTI 21ATEX0154X CE 0402  II 1/2 GD Ex db IIC T4 Gb, Tamb: -40° C to +100° C Ex tb IIIC T135° C Db

Is manufactured by: SENMATIC A/S
Industrivej 8
DK- 5471 Søndersø
Tel.: +45 6489 2211

Maintaining a Quality assurance system under surveillance by RISE Research Institutes of Sweden AB | Certification Box 857, SE-50115 Borås, Sweden +46 10 516 50 00 | certifiering@ri.se | www.ri.se

And in conformity with the following standards and/or other normative document(s):

2014/34/EU	Atex Directive
EN60079-0:2012	Explosive atmospheres – Part 0: Equipment – general requirements
EN60079-1:2014	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
EN60079-26: 2015	Explosive atmospheres -- Part 26: Equipment with equipment protection level (EPL) Ga
EN60079-31:2014	Explosive atmospheres -- Part 31: Equipment dust ignition protection by enclosure “t”

Type of examination:

Notified Body: Danish Technological Institute, Gregersensvej, DK-2630 Taastrup, Denmark
Certificate: DTI 21ATEX0154X

Søndersø, 03-06-2021

Senmatic A/S: _____
Mads Nychel, CEO