

# STIKO

TEMPERATURE  
PRESSURE  
CALIBRATION



Documentation 2025  
**TANK GAUGES**  
CONTENT | LEVEL

# STIKO

## GENERAL INFORMATION

- This documentation is for **tank level (pressure) gauges** manufactured by STIKO, "Made in Holland".

## CERTIFICATION

- Certificates of Conformity to the company's published specifications are available on request for all STIKO manufactured products according to EN 10204 (2.2).
- Certificates of Calibration for all STIKO manufactured products are also available. These certificates indicate deviations from standards traceable to R V A - D K D (Dutch - German National Standards).  
  
The results are recorded in a certificate which include calibration date, instrument serial number, type number and the R V A or D K D standard used.
- Material Certificates according to EN 10204 (3.1) for all STIKO manufactured products are also available in the form of certificate copies that indicate specifications of the materials used.

## WARRANTY AND REPAIR SERVICE

- A warranty period of 24 months is applicable for all instruments.
- An efficient repair and spare part service is available at competitive rates for STIKO products as well as products of other manufacturers.

Instruments for repair should be sent carriage paid and labelled with the sender's name and address, together with a brief description of the work required.  
Please note that instruments need to be cleaned before they are returned.  
If the instrument is leaking, please seal it in a plastic bag.

If you need a repair quotation, please indicate this on your document.  
Repair quotations cannot be made before inspection of the products.  
Lead-times upon request.



STIKO has more than 60 years of experience in manufacturing state-of-the-art mechanical instruments in the area of **TEMPERATURE, PRESSURE and PRESSURE CALIBRATION**.

STIKO is ISO-9001-2015 approved and we develop and manufacture all our instruments according to PED (2014/68/EU).

**STIKO - Industrieweg 5, 9301 LM Roden, The Netherlands.**

# STIKO Tank Gauges: Content | Level

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Besides subsea pressure gauges, STIKO manufactures many types of pressure gauges also “made in Holland”.

Our product categories include high pressure gauges, test gauges, subsea gauges, differential gauges, contact gauges, gauges with chemical seals, but also chart recorders, gas-actuated thermometers and calibration equipment.

Where needed, most products can be tailor-made to customer specifications.

## TANK-LEVEL & TANK-CONTENT GAUGES

### TYPE PFS-TL160XB-xx

<b>CASE</b>	: 160 mm, bayonet, AISI304/1.4301, IP-45 back flange, capillary bottom entry
<b>WETTED PARTS</b>	: sensing element AISI316/1.4401 welded diaphragm
<b>DIAL</b>	: aluminium, black figures on white according to tank table, see sample
<b>WINDOW</b>	: mineral glass 4 mm
<b>POINTER</b>	: micro-adjustable pointer (black aluminum)
<b>RANGE</b>	: 0 - 800 mmWG upto 0 - 10.000 mmWG
<b>ACCURACY</b>	: $\pm 1.6\%$ F.S./class 1.6
<b>OVERLOAD</b>	: Overload 2x F.S (max 2 bar)
<b>AMBIENT TEMP.</b>	: 0-55°C, fully compensated
<b>CAPILLARY</b>	: red copper with yellow PVC cover
<b>MOVEMENT</b>	: nickel plated brass

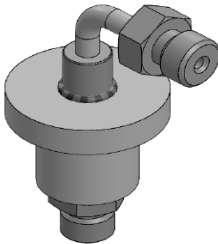
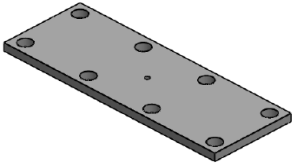


TYPE	MODEL	CASE DIAMETER ( Ø in mm)		
		160		
<b>ES</b> <i>PFS-TL160XB-ES</i>	 <i>¾" BSP coupling nut</i>			
<b>EM</b> <i>PFS-TL160XB-EM</i>	 <i>¾" BSP coupling nut</i>			
<b>IM</b> <i>Internal Mount</i>  <i>PFS-TL160XB-IM</i>	 <i>Tank wall mounting</i>			
	 <i>DN125 upper flange</i>	<i>Including the first 1000mm pole length + 4,50 per extra 100 mm pole length</i>		
<b>FL</b> <i>Flange Mount</i>  <i>PFS-TL160XB-FL</i>	 <i>I-Type with DIN flange</i>	DN25 PN 10-40 FF (flat face) *		
	 <i>4" ANSI 150 lbs RF</i>	DN40 PN 10-40 FF (flat face) *		
		DN50 PN 10-40 FF (flat face) *		
<i>* DIN flanges with RF (raised face), price surplus</i>				

*Other flange connections (ANSI, JIS, etc...) on demand*

Capillary		EXTRA COSTS			
		Capillary	Cover	First 1000 mm	Per 1000 mm extra
<b>STANDARD</b>	 <i>d = 6 mm</i>	red copper	Yellow PVC		
<b>ARMoured CAPILLARY</b>	 <i>d = 6 mm</i>	red copper	Armour AISI304/1.4301		
		red copper	Armour AISI316/1.4401		

## OPTIONS FOR IM CONSTRUCTIONS

<b>Bulk-head lead-through</b>	Lead-through (to be welded in the bulk-head)		
<b>Pass-through flanges</b>	Rectangular flange 318x115x12mm		
	DN125 PN10-16 RF		

## OPTIONS ON READING GAUGE

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS						
		WINDOW MATERIAL			BLOW- OUT		CASE & BEZEL	
		PMMA - PLEXIGLASS	SECURIT	LAMINATED SAFETY GLASS	DISC	PLUG * (LIQUID FILLED)	AISI316L / 1.4404	BACK / FRONT FLANGE AISI316L/1.4404
PFS-TL	160				●	●		



STANDARD

\* WITH COMPENSATING DIAPHRAGM

## MARKING FOR PRESSURE GAUGES

OPTIONS	EXTRA PRICE
TAG number on dial	
TAG number on AISI304/1.4301 TAG plate 55x25 mm	
Lettering on dial	
Red mark / coloured segments on dial	

**Transmitter / add on system for  
TANK GAUGES: LEVEL | CONTENT**

**APPLICATION**

**MODEL PT-5**

**Suitable for tank gauges PFS-TL-160XB-xx**

<b>INSTRUMENT</b>	: class 1
<b>ELECTRICAL CONNECTION</b>	: cable
<b>HYSTERESIS</b>	: max. 1% up and down
<b>SETPPOINT(S)</b>	: set at STIKO
<b>WINDOW</b>	: PMMA - plexiglass
<b>POINTER</b>	: standard
<b>CONTACT POINTER(S)</b>	: without

**FEATURES**

Electronics with RF technology, not mechanically driven.  
 Transmitter has no effect on the pointer.  
 Accuracy of the 4...20mA transmitter is equal to that of the gauge.  
 EMC according to EN61326:1998

Power supply 8 - 28 VDC; max. 50 mA  
 Electrical connections with cable.  
 Protection class IP55.



**Add-on PT-5, 4...20 mA transmitter**

**TRANSMITTER**

**CASE DIAMETER**

**160**

Output 4...20 mA; 2 -wire  
 Load impedance  $R_L [k\Omega] \leq (V_{PSU}-8)/20$ .