

STIKO

TEMPERATURE
PRESSURE
CALIBRATION



Documentation 2025

SUBSEA PRESSURE GAUGES

STIKO

GENERAL INFORMATION

- This documentation is for **sub sea 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 Subsea Pressure Gauges

Subsea Pressure Gauges

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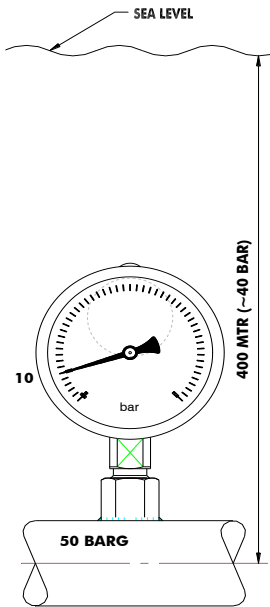
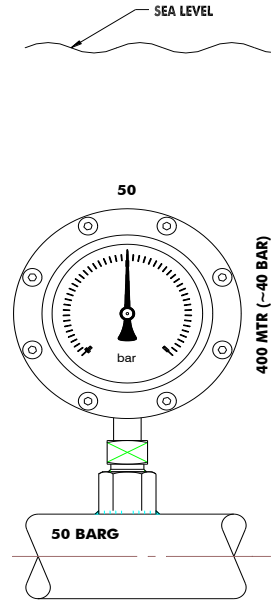
Pressure ranges, options, certificates

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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, tank-level gauges, test gauges, differential gauges, contact gauges, gauges with chemical seals, but also chart recorders. Where needed, most products can be tailor-made to customer specifications.

SUBSEA PRESSURE GAUGES

Selection guide

		SUBSEA PRESSURE GAUGE TYPE								
		With compensation diaphragm			Bar-stock design					
model		PBX-SS-CD			PBX-SS			PBX-SS-ED	PBX-SS-UD	
dial size		63 mm	100 mm	160 mm	63 mm	100 mm	160 mm	100 mm	100 mm	
case diameter		63 mm	100 mm	160 mm	80 mm	124 mm	170 mm	124 mm	140 mm	
case filling		99,5% glycerin-filled			dry case, filled case is optional *					
IP rating		IP68								
operating principle										
gauge reading		= P _{process} - P _{seawater column}			= P _{process}					
case		bayonet lock			solid drilled, bar-stock					
max. depth		6000 m	3000 m	3000 m	1200 m	900 m	450 m	4000 m	6000 m	
optional depth		-	-	-	2000 m	-	-	-	-	
case material		AISI316	AISI316	AISI316	AISI316			AISI316	AISI316	
wetted parts		AISI316L/1.4436 fully welded system	AISI316L/1.4436 fully welded system	AISI316L/1.4436 fully welded system	AISI316L/1.4436 fully welded system			AISI316L/1.4436 fully welded system	AISI316L/1.4436 fully welded system	
catalogue page		5	6	7	8			9	10	
range (span)		min.	0-1 bar	0-1 bar	0-1 bar	0-6 bar *	0-6 bar *	0-6 bar *	0-6 bar*	0-6 bar*
		max.	0-1000 bar	0-1600 bar **	0-1600 bar **	0-1000 bar	0-1600 bar	0-1600 bar	0-1600 bar	0-1600 bar

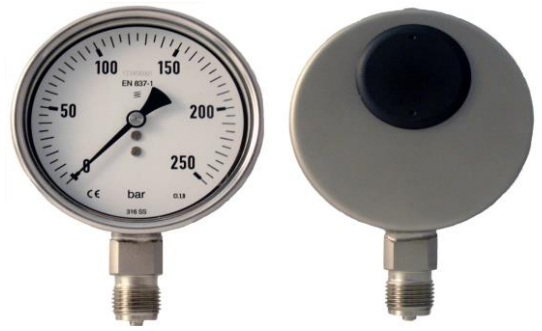
* when liquid filled, the minimum range is 0-10 bar

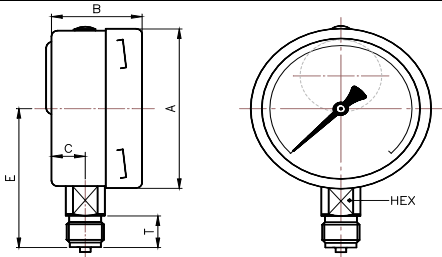
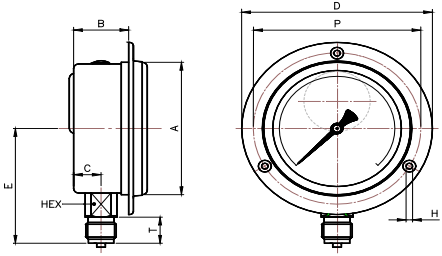
** higher ranges possible, prices and conditions on enquiry (no standard)

SUBSEA PRESSURE GAUGES, TYPE PBX-SS-CD

CASE $\varnothing 63\text{mm}$ - max. 6000 meters

CASE	: $\varnothing 63\text{ mm}$ - bayonet lock, AISI316L/1.4404, 99,5 % glycerin-filled - IP 68
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404
WINDOW	: armoured glass 4 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/4" BSP or 1/4" NPT
RANGE	: 0-1 up to 0-1000 bar, acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
ACCURACY	: $\pm 1.0\%$ F.S. / class 1
MOVEMENT	: AISI304/1.4301
APPLICATION	: for operating at great depths of sea water
OPTIONS	: see page 12

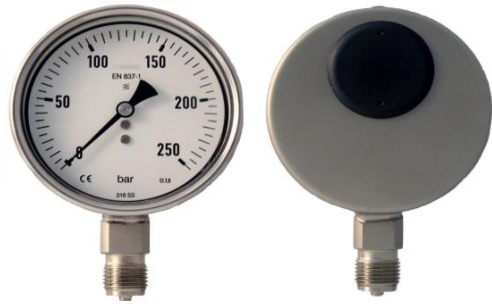


TYPE	MODEL CD "compensation diaphragm"	DIMENSIONS		UNIT PRICE
A <i>PBX-SS-CD063LA</i>		PBX-SS-CD063LA		
		DIM	mm	
		A	64	
		B	47	
		C	22,5	
		E	53,5	
		T	13	
		HEX	14	
D <i>PBX-SS-CD063LD</i>		PBX-SS-CD063LD		
		A	64	
		B	42	
		C	22,5	
		D	85	
		E	53,5	
		H	4	
		P	75	
		T	13	
		HEX	14	
	Back flange AND back connection not possible for PBX-SS-CD with ø63mm case			

SUBSEA PRESSURE GAUGES, TYPE PBX-SS-CD

CASE ø100mm - max. 3000 meters

CASE	: ø 100 mm - bayonet lock, AISI316L/1.4404, 99,5 % glycerin-filled - IP68
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404
WINDOW	: armoured glass 4 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/2" BSP or 1/2" NPT
RANGE	: 0-1 up to 0-1600 bar *, acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
ACCURACY	: ± 1.0% F.S. / class 1
MOVEMENT	: AISI304/1.4301
APPLICATION	: for operating at great depths of sea water
OPTIONS	: see page 12



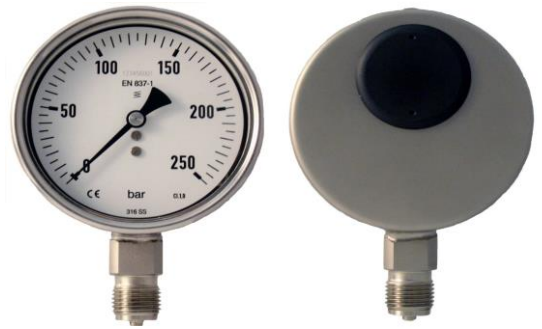
TYPE	MODEL CD "compensation diaphragm"	DIMENSIONS	UNIT PRICE
A PBX-SS-CD100LA		PBX-SS-CD100LA	
		DIM	mm
		A	101,1
		B	51
		C	19,5
		E	88
		T	20
B PBX-SS-CD100LB		PBX-SS-CD100LB	
		A	101,1
		B	54
		D	133
		E	88
		H	4,5
		J	22
C PBX-SS-CD100LC		PBX-SS-CD100LC	
		A	101,1
		B	51
		C	33
		E	92
		T	20
		HEX	22
D PBX-SS-CD100LD		PBX-SS-CD100LD	
		A	101,1
		B	38
		C	19,5
		D	132
		E	88
		H	4,5
J PBX-SS-CD100LJ		PBX-SS-CD100LJ	
		A	101,1
		B	38
		C	33
		D	132
		E	79
		H	4,5
H PBX-SS-CD100LH		PBX-SS-CD100LH	
		A	101,1
		B	42
		C	33
		D	112
		E	83
		T	20
		HEX	22

* 0-2000 bar or 0-2500 bar also possible

SUBSEA PRESSURE GAUGES, TYPE PBX-SS-CD

CASE $\varnothing$ 160mm - max. 3000 meters

CASE	: $\varnothing$ 160 mm - bayonet lock, AISI316L/1.4404, 99,5 % glycerin-filled - IP68
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404
WINDOW	: armoured glass 4 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/2" BSP or 1/2" NPT
RANGE	: 0-1 up to 0-1600 bar *, acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
ACCURACY	: $\pm$ 1.0% F.S. / class 1
MOVEMENT	: AISI304/1.4301
APPLICATION	: for operating at great depths of sea water
OPTIONS	: see page 12



TYPE	MODEL CD "compensation diaphragm"	DIMENSIONS	UNIT PRICE
A PBX-SS-CD160LA		PBX-SS-CD160LA	
		DIM	mm
		A	161,5
		B	49
		C	13
		E	118
		T	20
		HEX	22
B PBX-SS-CD160LB		PBX-SS-CD160LB	
		A	161,5
		B	55
		D	196
		E	118
		H	6
		J	19
		L	196
		P	178
		T	20
		HEX	22
C PBX-SS-CD160LC		PBX-SS-CD160LC	
		A	161,5
		B	49
		C	33
		E	90
		T	20
		HEX	22
D PBX-SS-CD160LD		PBX-SS-CD160LD	
		A	161,5
		B	36
		C	13
		D	196
		E	118
		H	6
		P	178
		T	20
		HEX	22
J PBX-SS-CD160LJ		PBX-SS-CD160LJ	
		A	161,5
		B	36
		C	33
		D	196
		E	74
		H	6
		P	178
		T	20
		HEX	22

* 0-2000 bar or 0-2500 bar also possible

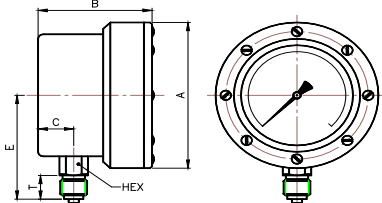
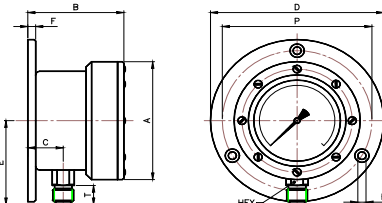
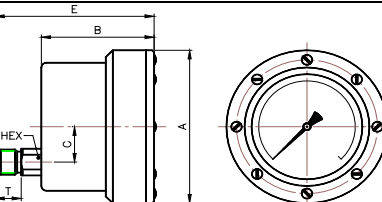
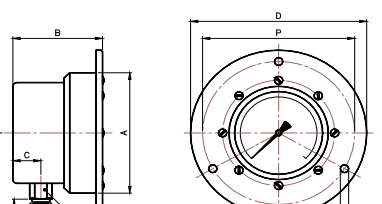
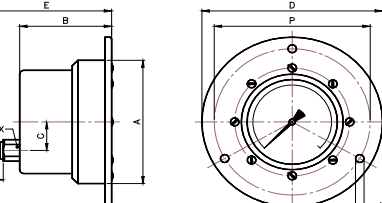
SUBSEA PRESSURE GAUGES, TYPE PBX-SS

TYPE PBX-SS, with pressure-tight solid bar stock case

STANDARD MODEL

CASE	: screwed bezel, AISI316/1.4401 pressure tight for depths down to; see below - IP68	RANGE	: 0-1 up to 0-1600 bar (1000 bar for ø63mm), acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404	ACCURACY	: case Ø 63 : ± 1.6% F.S. / class 1.6 case Ø100 and Ø160 : ± 1.0% F.S. / class 1
WINDOW	: armoured glass 19mm thick (Ø63 15mm)	MOVEMENT	: AISI304/1.4301
DIAL	: aluminium, black figures on white	APPLICATION	: for operating at great depths of sea water and in hyperbaric conditions
POINTER	: aluminium, black	OPTIONS	: see page 12
CONNECTION	: Ø63mm: 1/4"BSP or 1/4"NPT Ø100 and Ø160mm : 1/2 " BSP or 1/2 " NPT		

Note: these gauges are sold as a ø63mm, ø100mm or ø160mm subsea gauge. However, due to the bar stock construction, the case is larger and the dial is smaller than the indicated diameters.

TYPE	MODEL	DRAWING	UNIT PRICE																																																	
			CASE DIAMETER (Ø in mm)																																																	
			ø 63 (up to 1200m)	ø 100 (up to 900m)	ø 160 (up to 450m)																																															
A		<table><tr><th rowspan="2">DIM.</th><th colspan="3">CASE DIAMETER</th></tr><tr><th>63</th><th>100</th><th>160</th></tr><tr><td>A</td><td>80</td><td>124</td><td>170</td></tr><tr><td>B</td><td>56</td><td>71</td><td>71</td></tr><tr><td>C</td><td>17,5</td><td>20</td><td>21</td></tr><tr><td>E</td><td>57</td><td>97</td><td>104</td></tr><tr><td>T</td><td>13</td><td>20</td><td>20</td></tr><tr><td>HEX</td><td>14</td><td>22</td><td>22</td></tr></table>	DIM.	CASE DIAMETER			63	100	160	A	80	124	170	B	56	71	71	C	17,5	20	21	E	57	97	104	T	13	20	20	HEX	14	22	22	PBX-SS063XA	PBX-SS100XA	PBX-SS160XA																
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max. 2000m	WITH SPECIAL 25mm THICK GLASS		PBX-SS063xx	PBX-SS100xx	PBX-SS160xx																																															
				N.A.	N.A.																																															
Case filling (Lx)	GLYCERIN-FILLED CASE*		PBX-SS063Lx	PBX-SS100Lx	PBX-SS160Lx																																															
	SILICONE OIL FILLED CASE*																																																			
* Case filling available starting at 0-10 bar range																																																				

SUBSEA PRESSURE GAUGES, EXTRA DEEP

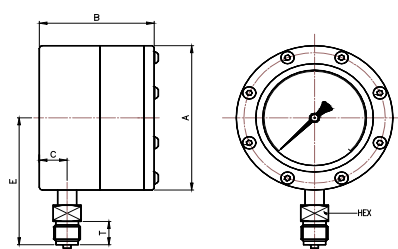
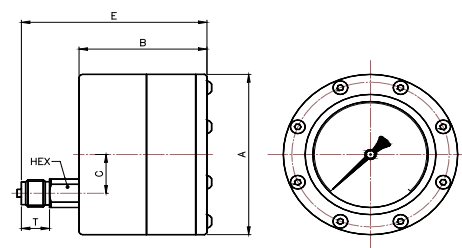
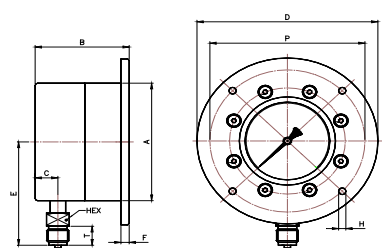
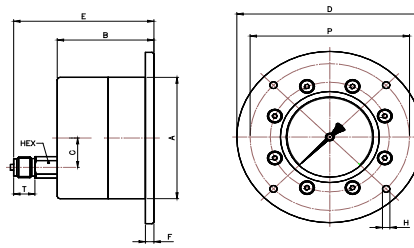
TYPE PBX-SS-ED, with pressure tight solid bar stock case: max 4000m

STANDARD MODEL

CASE	: ø 124 mm - screwed bezel, AISI316/1.4401, pressure tight for depths down to 4000 metres - IP68
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404
WINDOW	: armoured glass 35 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/2 " BSP or 1/2 " NPT
RANGE	: 0-1 up to 0-1600 bar, acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
ACCURACY	: ± 1.0% F.S. / class 1
MOVEMENT	: AISI304/1.4301
APPLICATION	: for operating at great depths of sea water
OPTIONS	: see page 12

Note: these gauges are sold as a ø100mm subsea gauge. However, due to the bar stock construction, the case is larger than ø100mm and the dial is smaller than ø100mm



TYPE	MODEL ED "EXTRA DEEP"	DIMENSIONS	UNIT PRICE
A PBX-SS-ED100XA		PBX-SS-ED100XA	
		A	124
		B	91
		C	22
		E	109
		T	20
		HEX	22
C PBX-SS-ED100XC		PBX-SS-ED100XC	
		A	124
		B	91
		C	30
		E	132
		T	20
		HEX	22
D PBX-SS-ED100XD		PBX-SS-ED100XD	
		A	124
		B	91
		C	22
		D	175
		E	132
		H	7
		F	8
		P	150
		T	20
		HEX	22
J PBX-SS-ED100XJ		PBX-SS-ED100XJ	
		A	124
		B	91
		C	30
		D	175
		E	132
		F	8
		H	7
		P	150
		T	20
		HEX	22
Case filling (Lx)	GLYCERIN-FILLED CASE*		
	SILICONE OIL FILLED CASE*		
	* Case filling available starting at 0-10 bar range		

SUBSEA PRESSURE GAUGES, ULTRA DEEP

TYPE PBX-SS-UD, with pressure tight solid bar stock case: max 6000m

STANDARD MODEL

CASE	: ø 140 mm - screwed bezel, AISI316/1.4401, pressure tight for depths down to 6000 metres - IP68
WETTED PARTS	: bourdon tube + connection AISI316L/1.4404
WINDOW	: armoured glass 40 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/2 " BSP or 1/2 " NPT
RANGE	: 0-1 up to 0-1600 bar, acc. to EN 837-1 price valid up to 0-60 bar (for higher ranges see page 11)
ACCURACY	: ± 1.0% F.S. / class 1
MOVEMENT	: AISI304/1.4301
APPLICATION	: for operating at great depths of sea water
OPTIONS	: see page 12

Note: these gauges are sold as a ø100mm subsea gauge. However, due to the bar stock construction, the case is larger than ø100mm and the dial is smaller than ø100mm



TYPE	MODEL UD "ULTRA DEEP"	DIMENSIONS	UNIT PRICE																				
A PBX-SS-UD100XA																							
		<table><tr><td colspan="2">PBX-SS-UD100XA</td></tr><tr><td>A</td><td>140</td></tr><tr><td>B</td><td>88</td></tr><tr><td>C</td><td>22</td></tr><tr><td>E</td><td>122</td></tr><tr><td>T</td><td>24,5</td></tr><tr><td>HEX</td><td>22</td></tr></table>	PBX-SS-UD100XA		A	140	B	88	C	22	E	122	T	24,5	HEX	22							
PBX-SS-UD100XA																							
A	140																						
B	88																						
C	22																						
E	122																						
T	24,5																						
HEX	22																						
C PBX-SS-UD100XC																							
		<table><tr><td colspan="2">PBX-SS-UD100XC</td></tr><tr><td>A</td><td>140</td></tr><tr><td>B</td><td>88</td></tr><tr><td>C</td><td>30</td></tr><tr><td>E</td><td>144,5</td></tr><tr><td>T</td><td>24,5</td></tr><tr><td>HEX</td><td>22</td></tr></table>	PBX-SS-UD100XC		A	140	B	88	C	30	E	144,5	T	24,5	HEX	22							
PBX-SS-UD100XC																							
A	140																						
B	88																						
C	30																						
E	144,5																						
T	24,5																						
HEX	22																						
D PBX-SS-UD100XD																							
		<table><tr><td colspan="2">PBX-SS-UD100XD</td></tr><tr><td>A</td><td>140</td></tr><tr><td>B</td><td>88</td></tr><tr><td>C</td><td>22</td></tr><tr><td>D</td><td>191</td></tr><tr><td>E</td><td>122</td></tr><tr><td>H</td><td>7</td></tr><tr><td>F</td><td>8</td></tr><tr><td>P</td><td>166</td></tr><tr><td>T</td><td>24,5</td></tr><tr><td>HEX</td><td>22</td></tr></table>	PBX-SS-UD100XD		A	140	B	88	C	22	D	191	E	122	H	7	F	8	P	166	T	24,5	HEX
PBX-SS-UD100XD																							
A	140																						
B	88																						
C	22																						
D	191																						
E	122																						
H	7																						
F	8																						
P	166																						
T	24,5																						
HEX	22																						
J PBX-SS-UD100XJ																							
		<table><tr><td colspan="2">PBX-SS-UD100XJ</td></tr><tr><td>A</td><td>140</td></tr><tr><td>B</td><td>88</td></tr><tr><td>C</td><td>30</td></tr><tr><td>D</td><td>191</td></tr><tr><td>E</td><td>122</td></tr><tr><td>F</td><td>8</td></tr><tr><td>H</td><td>7</td></tr><tr><td>P</td><td>166</td></tr><tr><td>T</td><td>24,5</td></tr><tr><td>HEX</td><td>22</td></tr></table>	PBX-SS-UD100XJ		A	140	B	88	C	30	D	191	E	122	F	8	H	7	P	166	T	24,5	HEX
PBX-SS-UD100XJ																							
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P	166																						
T	24,5																						
HEX	22																						
Case filling (Lx)	GLYCERIN-FILLED CASE*																						
	SILICONE OIL FILLED CASE*																						
* Case filling available starting at 0-10 bar range																							

PRESSURE RANGES FOR SUBSEA GAUGES

PRESSURE RANGES		EXTRA COSTS				
in bar	SCALE DIVISION	CASE DIMENSIONS (mm)				
	cl. 1.0% / 1.6%	Ø 63	Ø 100	Ø 100 (ED)	Ø 100 (UD)	Ø 160
-1 ...0	0.02	•				
-1 ...0.6	0.05	•				
-1 ...1.5	0.05	•				
-1 ...3	0.1	•				
-1 ...5	0.1	•				
-1 ...9	0.2	•				
-1 ...15	0.5	•				
-1 ...24	0.5	•				
0 ...0.6	0.01	•				
0 ...1	0.02	•				
0 ...1.6	0.05	•				
0 ...2.5	0.05	•				
0 ...4	0.1	•				
0 ...6	0.1	•				
0 ...10	0.2	•				
0 ...16	0.5	•				
0 ...25	0.5	•				
0 ...40	1	•				
0 ...60	1	•				
0 ...100	2					
0 ...160	5					
0 ...250	5					
0 ...400	10					
0 ...600	10					
0 ...1000	20					
0 ...1600	50	×				
0...2000 / 0...2500 *	50	×		×	×	×
NON STANDARD RANGES						
e.g. 0-7 bar or 0-110 psi						
DOUBLE SCALES						
e.g. bar/psi, bar/kPa, etc.		•				
×	NOT AVAILABLE					
•	STANDARD					
*	ONLY AVAILABLE FOR PBX-SS-CD MODEL IN ø100MM or ø160MM					

OPTIONS FOR SUBSEA PRESSURE GAUGES

PBX-SS	CASE SIZE	CONNECTIONS						
		1/8"BSP/NPT max. 400 bar	1/4"BSP/NPT max. 1000 bar	1/2"BSP, 1/2"NPT max. 1000 bar	3/8"BSP/NPT max. 1000 bar	M20x1.5 max. 1600 bar	M16x1.5 H.P. female	9/16"UNFx18 H.P. female
	063		•					
	100			•				
	160			•				

PBX-SS	CASE SIZE	CONNECTION	DIAL / MARKING			OTHER	
		At 3 / 9 / 12 HRS	WHITE DIAL + BLACK POINTER AND MARKING	BLACK DIAL + WHITE POINTER AND MARKING	BLACK DIAL + YELLOW POINTER AND MARKING	MONEL WETTED PARTS (only for CD model)	PULSATION DAMPER AISI316 1.4401
	063		•				
	100		•				
	160		•				

×

NOT AVAILABLE

•

STANDARD

Subsea gauges can be manufactured with chemical seals (e.g. with wetted parts in exotic materials).
Contact us for the possibilities.

STIKO

TEMPERATURE
PRESSURE
CALIBRATION



Documentation 2025
CAISSON GAUGES



GENERAL INFORMATION

- This documentation is for **caisson 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 Caisson Gauges

Caisson gauges

Selection guide	Page 4
Caisson gauges PBX-TG	Page 5
Caisson gauges PBX-CAISSON	Page 6
Caisson gauges in solid barstock case PBX-SS-CAISSON	Page 7

Ranges and Options

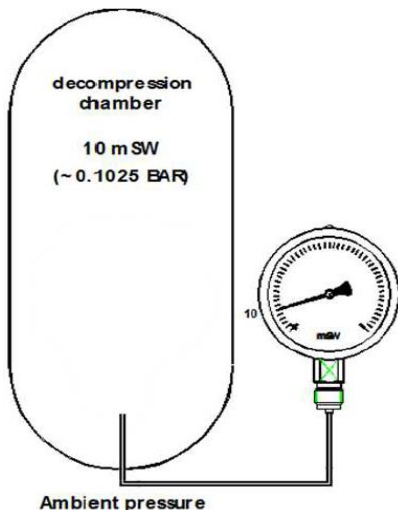
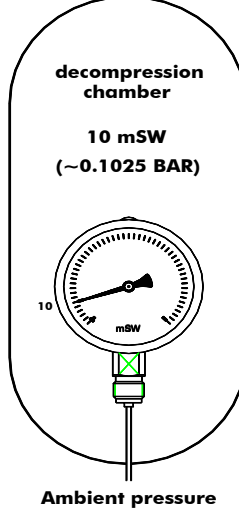
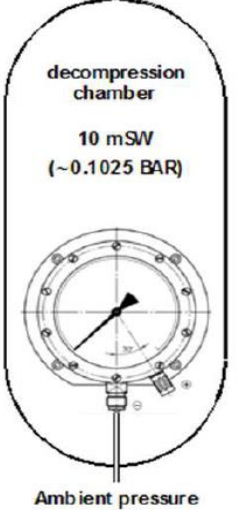
Standard ranges	Page 8
Options	Page 9

Besides caisson gauges, STIKO manufactures many types of pressure gauges also "made in Holland".

Our product categories include subsea gauges, test gauges, high pressure gauges, differential gauges, gauges with chemical seals, contact gauges, but also chart recorders, gas-actuated thermometers and calibration equipment. Where needed, most products can be tailor-made to customer specifications.

CAISSON GAUGES

Selection guide

Type		PBX-TG	PBX-CAISSON	PBX-SS-CAISSON
operating principle				
		For use outside of decompression chambers. Direct reading of chamber pressure level (reading relative to ambient pressure).	For use inside decompression chambers. Instrument connection for ambient pressure.	For use inside decompression chambers. Instrument connection for ambient pressure. Vent connection for chamber pressure.
		= Pdecompression tank	= Pdecompression tank	= Pdecompression tank
gauge reading				
case diameter		160 mm	160 mm	160 mm
case		bayonet lock	bayonet lock	solid drilled, bar stock
Case filling		not possible	not possible	not possible
case material		AISI304	AISI304	AISI316
wetted parts		socket: AISI316Ti/1.4571; AISI316L/1.4436 Tube: copper/beryllium	socket: AISI316Ti/1.4571; AISI316L/1.4436 Tube: copper/beryllium	AISI316Ti/1.4571; AISI316L/1.4436 fully welded system
catalogue page		5	6	7
range (span)	min.	0-1 bar	0-10 mSW	0-1 bar
	max.	0-60 bar	0-100 mSW	0-60 bar
Accuracy		Cl. 0,25	Cl. 0,25	Cl. 0,25 (optional cl. 0,6 / 1)
Calibration		Normal calibration	Must be calibrated inside a pressure chamber	Normal calibration

TEST GAUGE FOR CHAMBERS, TYPE PBX-TG

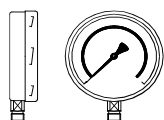
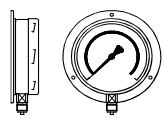
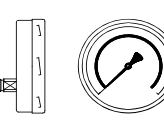
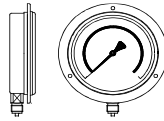
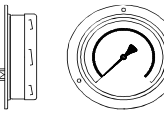
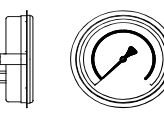
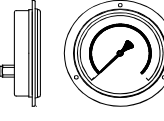
Stainless steel with bourdon tube of copper-beryllium

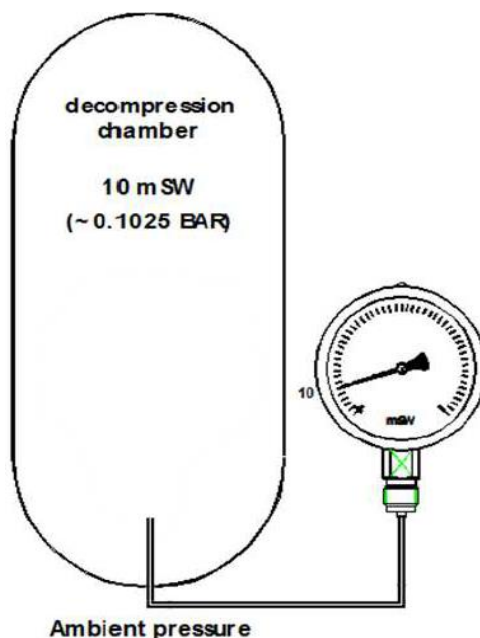
STANDARD MODEL

CASE	: Ø160 mm bayonet lock, AISI304/1.4301, IP-45, blow-out
BOURDON TUBE	: Copper/Beryllium
	: OIL & GREASE FREE
WINDOW	: mineral glass 4 mm
DIAL	: mirrorscale aluminium, black figures on white
POINTER	: knife edge aluminium, black
CONNECTION to outside chamber	: ½"BSP or ½"NPT, AISI316Ti/1.4571
RANGE	: from 0-10 up to 0-600 mSW, acc. to EN 837-1 or from 0-1 bar up to 60 bar
ACCURACY	: 0,25% F.S. / class 0,25
CALIBRATION REPORT	: included, minimal 10 points
MOVEMENT	: brass with stownbearing
APPLICATION	: for use outside of decompression chambers.
GRADUATIONS / OPTIONS	: see pages 8 and 9



Example: PBX-TG-160XA

TYPE	MODEL	CASE DIAMETER (Ø in mm)
		160
A		PBX-TG-160XA
B		PBX-TG-160XB
C		PBX-TG-160XC
D		PBX-TG-160XD
F		PBX-TG-160XF
H		PBX-TG-160XH
J		PBX-TG-160XJ



for use inside decompression chambers
with vent connection for ambient pressure

CAISSON TEST PRESSURE GAUGES, TYPE PBX-CAISSON

Stainless steel with bourdon tube of copper-beryllium

STANDARD MODEL

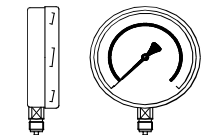
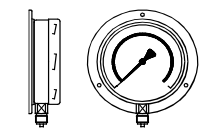
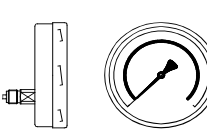
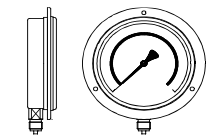
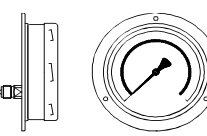
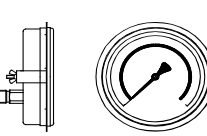
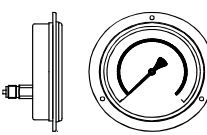
CASE	: Ø160 mm bayonet lock, AISI304/1.4301, IP-45, blow-out
BOURDON TUBE	: Copper/Beryllium
	: OIL & GREASE FREE
WINDOW	: safety glass
DIAL	: mirrorscale aluminium, black figures on white
POINTER	: knife edge aluminium, black
CONNECTION to outside chamber	: ½"BSP or ½"NPT, AISI316Ti/1.4571
RANGE	: from 0-10 up to 0-100 mSW, acc. to EN 837-1 or from 0-1 bar up to 10 bar
ACCURACY	: 0,25% F.S. / class 0,25
CALIBRATION REPORT	: included, minimal 10 points
MOVEMENT	: brass with stownbearing
APPLICATION	: for use inside decompression chambers with instrument connection for ambient pressure
GRADUATIONS / OPTIONS	: see pages 8 and 9



Example: PBX-CAISSON-160XA

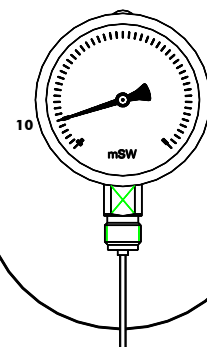


Internal of PBX-CAISSON

TYPE	MODEL	CASE DIAMETER (Ø in mm)
		160
A		PBX-CAISSON-160XA
B		PBX-CAISSON-160XB
C		PBX-CAISSON-160XC
D		PBX-CAISSON-160XD
F		PBX-CAISSON-160XF
H		PBX-CAISSON-160XH
J		PBX-CAISSON-160XJ

**decompression
chamber**

**10 mSW
(~0.1025 BAR)**



Ambient pressure

**for use inside decompression
chambers with vent connection for
ambient pressure**

"SUB SEA" PRESSURE GAUGES, TYPE PBX-SS-CAISSON

TYPE PBX-SS-CAISSON, with pressure tight solid barstock case

STANDARD MODEL

CASE	: ø 160 mm - screwed bezel, AISI316/1.4401, pressure tight for decompression tanks
WETTED PARTS	: bourdon tube Copper/Beryllium : connection AISI316Ti/1.4571 : OIL & GREASE FREE
WINDOW	: armoured glass 19 mm
DIAL	: aluminium, black figures on white
POINTER	: aluminium, black
CONNECTION	: 1/2 " BSP or 1/2 " NPT
RANGE	: 0-10 up to 0-600 mSW, acc. to EN 837-1
ACCURACY	: 0,25% F.S. / class 0,25 (optional cl. 0,6 / 1)
CALIBRATION REPORT	: included, minimal 10 points
MOVEMENT	: AISI304/1.4301
APPLICATION	: for use inside decompression chambers with instrument connection for ambient pressure and vent connection the chamber pressure
GRADUATIONS / OPTIONS	: see pages 8 and 9



TYPE	MODEL CAISSON Dimensions	UNIT PRICE
B PBX-SS-CAISSON-XB	Technical drawing of the PBX-SS-CAISSON-XB gauge. The side view shows a total height of 170 mm, a bezel diameter of 71 mm, a mounting flange diameter of 5 mm, and a 1/2 inch BSP connection. The front view shows a circular dial with a pitch diameter of 182 mm, a mounting flange diameter of 121 mm, and a 1/2 inch BSP connection. The dial has a scale from 0 to 100 mH2O. The gauge is labeled with 'EN 837-1', 'C', 'mH2O', and '100'.	
OPTIONS	EXTRA COSTS	
class 0.6% F.S.	Price reduction for class 0,6% instead of class 0,25% No calibration certificate included, see STIKO Price List Certificates for price	
class 1% F.S. (bourdon tube in AISI316Ti/1.4571)	Price reduction for class 1,0% instead of class 0,25% No calibration certificate included, see STIKO Price List Certificates for price	
Mirrorscale	For accurate reading of the gauge (included in price of class 0,25% instrument)	

STANDARD PRESSURE RANGES FOR TYPES:

PBX-TG, PBX-CAISSON, PBX-SS-CAISSON

PRESSURE RANGES				EXTRA COSTS
in bar	SCALE DIVISION			CASE DIMENSIONS (in mm)
	cl. 0.25	OPTION		
		cl. 0.6	cl. 1.0	Ø 160
0 ...1	0.005	0.005	0.02	•
0 ...1.6	0.005	0.01	0.05	•
0 ...2.5	0.01	0.02	0.05	•
0 ...4	0.01	0.02	0.1	•
0 ...6	0.02	0.05	0.1	•
0 ...10	0.05	0.05	0.2	•
0 ...16	0.05	0.1	0.5	•
0 ...25	0.1	0.2	0.5	•
0 ...40	0.1	0.2	1	•
0 ...60	0.2	0.5	1	•
DOUBLE SCALES				
e.g. bar/psi, bar/kPa, etc.				•

☐ NOT AVAILABLE
 ☐ STANDARD

OPTIONS FOR CAISSON GAUGES

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS						
		CONNECTIONS						
		1/8"BSP/NPT max. 400 bar	1/4"BSP/NPT max. 1000 bar	1/2"BSP, 1/2"NPT max. 1000 bar	3/8"BSP/NPT max. 1000 bar	M20x1.5 max. 1600 bar	M16x1.5 H.P. female	9/16"UNFx18 H.P. female
PBX-TG	160			•				
PBX-CAISSON	160			•				
PBX-SS-CAISSON	160			•				

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS					
		CASE & BEZEL		POINTERS			
		AISI316L / 1.4404	BACK / FRONT FLANGE AISI316L/1.4404	ADJUSTABLE	INDEX POINTER ON GLASS	SINGLE DRAG POINTER	DOUBLE DRAG POINTER
PBX-TG	160						
PBX-CAISSON	160						
PBX-SS-CAISSON	160	•	•		×	×	×

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS	
		MEASURING SYSTEM	
		MONEL WETTED PARTS	PULSATION DAMPER AISI316/1.4401
PBX-TG	160	×	
PBX-CAISSON	160	×	
PBX-SS-CAISSON	160	O	

×

NOT AVAILABLE

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STANDARD

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ON DEMAND