

## GENERAL INFORMATION

- This specification document is for **pressure gauges** manufactured by:

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

- STIKO® is a manufacturer of mechanical instruments in the area of temperature, pressure and calibration. We offer thermometers, pressure gauges, pressure and/or temperature recorders, as well as calibration equipment. We develop and manufacture all our instruments to ISO-9001-2008 standards.
- In order to construct your instrument please proceed as follows:

### EXAMPLE 1

		PAGE:
1 Instrument type	PBX100LA	3
2 Pressure range	0 + 250 bar	55
3 Electrical device	I-1-Hz contact	61
4 Any options	Blow-out plug	57-58

### EXAMPLE 2

		PAGE:
1 Instrument type	PFS100XA-04	31
2 Pressure range	0 + 60 bar	55
3 Capillary tube	1.500 mm, AISI321/1.4541	31
4 Electrical device	M-1-Hz contact	60
5 Any options	Blow-out disc	57-58

- Abbreviations used in this document: O.D. = ON DEMAND; N.A. = NOT AVAILABLE
- Dimensions used in this document are in: millimeters (mm).
- Your order will be confirmed by e-mail.
- Other variations which are not mentioned in this document are on demand (if possible).

## CERTIFICATION

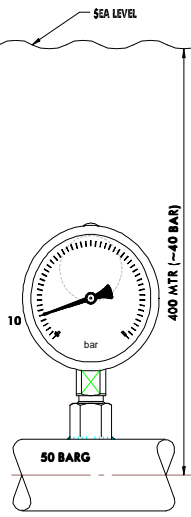
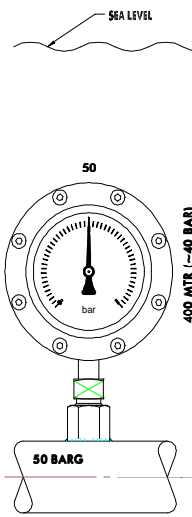
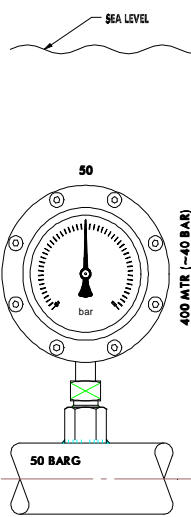
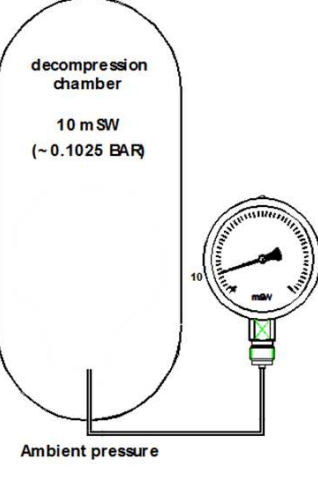
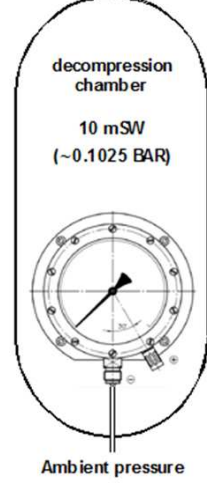
- Certificates of Conformity to the company's published specifications are available on request for all STIKO® manufactured products according to EN 10204 2.2.
- Certificates of Calibration for all STIKO® manufactured products are also available. These certificates indicate deviations from standards 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. These certificates indicate specifications of the materials used.

## WARRANTY AND REPAIR SERVICE

- An efficient repair and sparepart service is available at competitive rates for STIKO® products and 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. Within two days after receiving the instruments, you will get a full detailed offer for the repair job.
- **A warranty period of 24 months is applicable for all instruments sold as of January 1st, 2018**

# SUB SEA PRESSURE GAUGES

## Selection guide

Type		SUB SEA pressure gauge type									
		PBX-SS-CD		PBX-SS		PBX-SS-ED	PBX-CAISSON	PBX-SS-CAISSON			
case diameter	mm	100 mm		63 mm	100 mm	160 mm	160 mm				
operating principle											
	gauge reading		= Pprocess - Pseawater column		= Pprocess		= Pprocess		= Pdecompression tank		
case		bayonet lock		solid drilled, bar stock		solid drilled, bar stock		bayonet lock			
max. depth	m	2500 m		1200 m	900 m	450 m	-		-		
optional	m	-		2000 m	-	-	-		-		
case material		AISI316		AISI316		AISI316		AISI304		AISI316	
wetted parts		AISI316Ti/1.4571; AISI316L/1.4436 fully welded system		AISI316Ti/1.4571; AISI316L/1.4436 fully welded system		AISI316Ti/1.4571; AISI316L/1.4436 fully welded system		socket: AISI316Ti/1.4571; AISI316L/1.4436 Tube: copper/beryllium		AISI316Ti/1.4571; AISI316L/1.4436 fully welded system	
catalogue page		54-2		54-3		54-5		54-6		54-7	
range (span)	min.	0-1 bar		0-6 bar*	0-6 bar*	0-6 bar*	0-6 mSW		0-1 bar		
	max.	0-1600 bar		0-1000 bar	0-1600 bar	0-1600 bar	0-100 mSW		0-100 bar		

\* liquid filled minimum range 0-10 bar

**"SUB SEA" PRESSURE GAUGES, TYPE PBX-SS-CD**

**TYPE PBX-SS-CD, with compensation diaphragm - max. 2500 metres**

**CASE** :  $\varnothing$  100 mm - bayonet lock, AISI316/1.4401,  
100 % GLYCERINE FILLED

**WETTED PARTS** : bourdon tube + connection AISI316Ti/1.4571

**WINDOW** : armoured glass 4 mm

**DIAL** : aluminium, black figures on white

**POINTER** : aluminium, black

**CONNECTION** : 1/2" BSP or 1/2" NPT

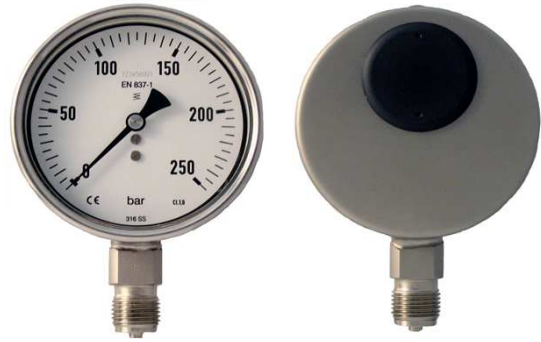
**RANGE** : 0-1 upto 0-60 bar, acc. to EN 837-1  
for higher ranges see page 55 (max. 1600 bar)

**ACCURACY** :  $\pm$  1.0% F.S. / class 1

**MOVEMENT** : AISI304/1.4301

**APPLICATION** : for operating at great depths of sea water

**OPTIONS** : see page 57-58



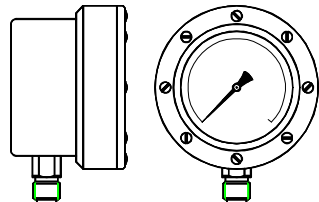
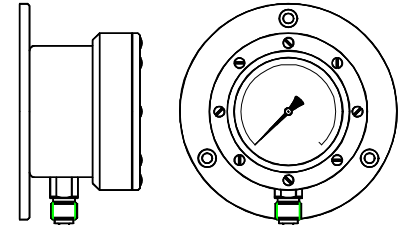
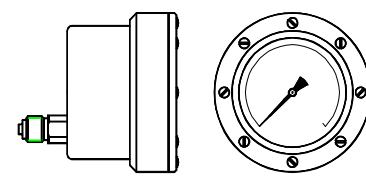
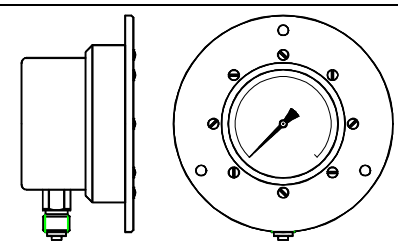
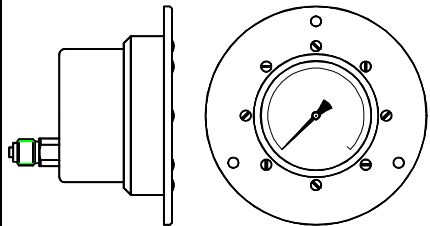
TYPE	MODEL CD "compensation diaphragm"	DIMENSIONS	UNIT PRICE
<b>A</b>		<b>PBX-SS-CD100LA</b>	
		DIM	mm
		A	101,5
		B	51
		C	19
		E	88
		T	20
HEX	22		
<b>B</b>		<b>PBX-SS-CD100LB</b>	
		A	101,5
		B	54,5
		D	132
		E	88
		H	4,8
		J	22,5
		L	121
		P	116
		T	20
HEX	22		
<b>C</b>		<b>PBX-SS-CD100LC</b>	
		A	101,5
		B	51
		C	33
		E	92
		T	20
<b>D</b>		<b>PBX-SS-CD100LD</b>	
		A	101,5
		B	38
		C	19
		D	132
		E	88
		H	4,5
		P	116
		T	20
		HEX	22
<b>J</b>		<b>PBX-SS-CD100LJ</b>	
		A	101,5
		B	38
		C	33
		D	132
		E	79
		H	4,5
		P	116
		T	20
		HEX	22

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

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

#### STANDARD MODEL

<b>CASE</b>	: screwed bezel, AISI316/1.4401, pressure tight for depths down to; see below	<b>RANGE</b>	: 0-6 upto 0-60 bar, acc. to EN 837-1 (see page 55) for higher ranges (max. 1600 bar)
<b>WETTED PARTS</b>	: bourdon tube + connection AISI316Ti/1.4571	<b>ACCURACY</b>	: case Ø 63 : ± 1.6% F.S./ class 1.6 case Ø100 and Ø160 : ± 1.0% F.S. / class 1
<b>WINDOW</b>	: armoured glass 19mm thick (Ø63 15mm)	<b>MOVEMENT</b>	: AISI304/1.4301
<b>DIAL</b>	: aluminium, black figures on white	<b>APPLICATION</b>	: for operating at great depths of sea water and in hyperbaric conditions
<b>POINTER</b>	: aluminium, black	<b>OPTIONS</b>	: see page 57-58
<b>CONNECTION</b>	: Ø63mm: ¼"BSP or ¼"NPT Ø100 and Ø160mm : 1/2 " BSP or 1/2 " NPT		

TYPE	MODEL	CASE DIAMETER ( Ø in mm)		
		Ø 63 (upto 1200 m)	Ø 100 (upto 900 m)	Ø 160 (upto 450 m)
A		PBX-SS063XA	PBX-SS100XA	PBX-SS160XA
B		PBX-SS063XB	PBX-SS100XB	PBX-SS160XB
C		PBX-SS063XC	PBX-SS100XC	PBX-SS160XC
D		PBX-SS063XD	PBX-SS100XD	PBX-SS160XD
J		PBX-SS063XJ	PBX-SS100XJ	PBX-SS160XJ
OPTIONS		EXTRA COSTS		
max. 2000m	SPECIAL GLASS 25 mm thick		see page 54-5	N.A.
Lx	GLYCERINE FILLED CASE:*			
	SILICONE OIL FILLED CASE*	PBX-SS063Lx	PBX-SS100Lx	PBX-SS160Lx

\* Case filling available starting at 10 bar

# SUB SEA PRESSURE GAUGE, TYPE PBX-SS

TYPE	DRAWING	DIMENSIONS mm																																															
<b>A</b>  <i>PBX-SSxxxXA</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DIM.</th> <th colspan="3">CASE DIAMETER</th> </tr> <tr> <th>63</th> <th>100</th> <th>160</th> </tr> </thead> <tbody> <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> </tbody> </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																
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**"SUB SEA" PRESSURE GAUGES, TYPE PBX-SS-ED**

**TYPE PBX-SS-ED, with pressure tight solid barstock case: max 4000 metres**

**STANDARD MODEL**

**CASE** :  $\varnothing$  100 mm - screwed bezel, AISI316/1.4401, pressure tight for depths down to 4000 metres

**WETTED PARTS** : bourdon tube + connection AISI316Ti/1.4571

**WINDOW** : armoured glass 35 mm

**DIAL** : aluminium, black figures on white

**POINTER** : aluminium, black

**CONNECTION** : 1/2 " BSP or 1/2 " NPT

**RANGE** : 0-6 upto 0-60 bar, acc. to EN 837-1  
for higher ranges see page 55 (max. 1600 bar)

**ACCURACY** :  $\pm$  1.0% F.S. / class 1

**MOVEMENT** : AISI304/1.4301

**APPLICATION** : for operating at great depths of sea water and in hyperbaric conditions

**OPTIONS** : see page 55-56



TYPE	MODEL ED "EXTRA DEEP"	DIMENSIONS	UNIT PRICE																						
<b>A</b>		<table border="1"> <tr><th colspan="2">PBX-SS-ED100XA</th></tr> <tr><th>DIM</th><th>CASE</th></tr> <tr><td></td><td><math>\varnothing</math> 100 MM</td></tr> <tr><td>A</td><td>124</td></tr> <tr><td>B</td><td>91</td></tr> <tr><td>C</td><td>22</td></tr> <tr><td>E</td><td>109</td></tr> <tr><td>T</td><td>20</td></tr> <tr><td>HEX</td><td>22</td></tr> </table>	PBX-SS-ED100XA		DIM	CASE		$\varnothing$ 100 MM	A	124	B	91	C	22	E	109	T	20	HEX	22					
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<table border="1"> <tr><th colspan="2">PBX-SS-ED100XJ</th></tr> <tr><td>A</td><td>124</td></tr> <tr><td>B</td><td>91</td></tr> <tr><td>C</td><td>30</td></tr> <tr><td>D</td><td>175</td></tr> <tr><td>E</td><td>132</td></tr> <tr><td>F</td><td>8</td></tr> <tr><td>H</td><td>7</td></tr> <tr><td>P</td><td>150</td></tr> <tr><td>T</td><td>20</td></tr> <tr><td>HEX</td><td>21</td></tr> </table>	PBX-SS-ED100XJ		A	124	B	91	C	30	D	175	E	132	F	8	H	7	P	150	T	20	HEX	21			
PBX-SS-ED100XJ																									
A	124																								
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<b>D</b>																									
<b>J</b>																									
<b>LX</b>	GLYCERINE FILLED CASE		16,50																						
	SILICONE OIL FILLED CASE		36,50																						

**"SUB SEA" PRESSURE GAUGES, TYPE PBX-SS-UD**

**TYPE PBX-SS-UD, with pressure tight solid barstock case: max 6000 metres**

**STANDARD MODEL**

**CASE** :  $\varnothing$  140 mm - screwed bezel, AISI316/1.4401, pressure tight for depths down to 6000 metres  
**WETTED PARTS** : bourdon tube + connection AISI316Ti/1.4571  
**WINDOW** : armoured glass 40 mm  
**DIAL** : aluminium, black figures on white  
**POINTER** : aluminium, black  
**CONNECTION** : 1/2 " BSP or 1/2 " NPT  
**RANGE** : 0-6 upto 0-60 bar, acc. to EN 837-1  
 for higher ranges see page 55 (max. 1600 bar)  
**ACCURACY** :  $\pm$  1.0% F.S. / class 1  
**MOVEMENT** : AISI304/1.4301  
**APPLICATION** : for operating at great depths of sea water  
**OPTIONS** : see page 55-56



TYPE	MODEL UD "ULTRA DEEP"	DIMENSIONS	UNIT PRICE																						
A		<table border="1"> <tr><th colspan="2">PBX-SS-UD100XA</th></tr> <tr><th>DIM</th><th>CASE</th></tr> <tr><td></td><td><math>\varnothing</math> 140 MM</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		DIM	CASE		$\varnothing$ 140 MM	A	140	B	88	C	22	E	122	T	24,5	HEX	22					
		PBX-SS-UD100XA																							
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LX	GLYCERINE FILLED CASE																								
	SILICONE OIL FILLED CASE																								

# CAISSON TEST PRESSURE GAUGES, TYPE PBX-CAISSON

## stainless steel with bourdon tube of copper-beryllium

### STANDARD MODEL

<b>CASE</b>	: Ø160 mm bayonet lock, AISI304/1.4301, IP-45, blow-out
<b>BOURDON TUBE</b>	: Copper/Beryllium
<b>WINDOW</b>	: mineral glass 4 mm
<b>DIAL</b>	: mirrorscale aluminium, black figures on white
<b>POINTER</b>	: knife edge aluminium, black
<b>CONNECTION to outside chamber</b>	: ½" BSP or ½" NPT, AISI316Ti/1.4571
<b>RANGE</b>	: from 0 - 10 upto 0-100 mSW, acc. to EN 837-1 or from 0-1 bar upto 10 bar
<b>ACCURACY</b>	: 0,25% F.S. / class 0,25
<b>MOVEMENT</b>	: brass with stonbearing
<b>CALIBRATION REPORT</b>	: included, minimal 10 points
<b>APPLICATION</b>	: for use inside decompression chambers with vent connection for ambient pressure
<b>OPTIONS / GRADUATIONS</b>	: see page 55-58

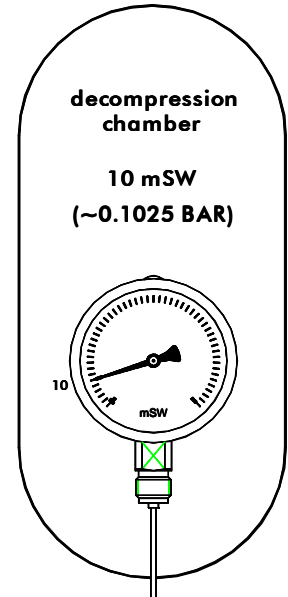


Example: PBX-CAISSON-160XA



Internal of PBX-CAISSON

TYPE	MODEL	CASE DIAMETER (Ø in mm)
		160
<b>A</b>		PBX-CAISSON-160XA
<b>B</b>		PBX-CAISSON-160XB
<b>C</b>		PBX-CAISSON-160XC
<b>D</b>		PBX-CAISSON-160XD
<b>F</b>		PBX-CAISSON-160XF
<b>H</b>		PBX-CAISSON-160XH
<b>J</b>		PBX-CAISSON-160XJ
OPTIONS		EXTRA COSTS
<b>DOUBLE SCALE</b>	mSW / bar mSW / psi etc.	



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 + connection AISI316Ti/1.4571

**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 upto 0-600 Meter sea water, acc. to EN 837-1 for higher ranges see page 55 (max. 1600 bar)

**ACCURACY** : ± 1.0% F.S. / class 1

**MOVEMENT** : AISI304/1.4301

**APPLICATION** : for use inside decompression chambers with vent connection for ambient pressure with air filter for the "room" pressure

**OPTIONS** : see page 57-58



TYPE	MODEL CAISSON Dimensions	UNIT PRICE
<p align="center"><b>B</b></p> <p>PBX-SS-CAISSON-XB</p>		

OPTIONS	EXTRA COSTS	
class 0.6% F.S.	±0.5 / 0.6 %F.S. (class 0.5 or 0.6)	
class 0.25% F.S.	±0.3 or 0.25 %F.S. (class 0.3 or 0.25); Bourdon tube of Copper-beryllium	
Mirrorscale	for accurate reading of the gauge	
Calibration certificate	Certificate traceable to international standards (NET PRICE)	

## STANDARD PRESSURE RANGES FOR TYPES:

**PBX, PBX-TG, PBX-SF, PBB, PMX, PPB, PBS, PFS, PBQ, PFQ, PBR, PBT, RPX, RPP, PBX-SS,  
DIFFERENTIAL PRESSURE GAUGES**

PRESSURE RANGES				EXTRA COSTS										
(in bar)*****	SCALE DIVISION			CASE DIMENSIONS ( in mm)										
	cl. 1.0 cl. 1.6	OPTION		Ø 63	Ø 80	Ø 100	Ø 160	Ø 250	72x72	96x96	144x144	192x192 280x280 380x380 400x300 500x400	72x144 144x72	192x96 96x192
		cl. 0.6 cl. 0.5	only PBX-TG cl. 0.3 cl. 0.25											
-1 ...0	0.02	0.005	0.005											
-1 ...0.6	0.05	0.01	0.005											
-1 ...1.5	0.05	0.02	0.01											
-1 ...3	0.1	0.02	0.01											
-1 ...5	0.1	0.05	0.02											
-1 ...9	0.2	0.05	0.05											
-1 ...15	0.5	0.1	0.05											
-1 ...24	0.5	0.2	0.1											
0 ...0.6	0.01	x	x											
0 ...1	0.02	0.005	0.005											
0 ...1.6	0.05	0.01	0.005											
0 ...2.5	0.05	0.02	0.01											
0 ...4	0.1	0.02	0.01											
0 ...6	0.1	0.05	0.02											
0 ...10	0.2	0.05	0.05											
0 ...16	0.5	0.1	0.05											
0 ...25	0.5	0.2	0.1											
0 ...40	1	0.2	0.1											
0 ...60	1	0.5	0.2											
0 ...100	2	0.5	0.5											
0 ...160	5	1	0.5											
0 ...250	5	2	1											
0 ...400	10	2	1											
0 ...600	10	5	2											
0 ...1000	20	5	5											
0 ...1600	50	x	x	x	x				x				x	x
0 ...2000	50	x	x	x	x			x	x	x	x	x	x	x
0 ...2500*	50	x	x	x	x			x	x	x	x	x	x	x
0 ...3000*	50	x	x	x	x			x	x	x	x	x	x	x
0 ...4000**	50	x	x	x	x		See p14	x	x	x	x	x	x	x
0 ...5000***, 0 ... 6000*** and 0 ...7000*** - see page 14														
<b>NON STANDARD RANGES</b>														
e.g. 0-7 bar or 0-110 psi														
<b>DOUBLE SCALES</b>														
e.g. bar/psi, bar/kPa, etc.														
FREON SCALES e.g. R12, R134A, R22, R404A, R407C, R502, R504, R717, NH3														
<b>ACCURACY</b>														
±1.6% F.S. (class 1.6)				•	•	x	x	x	•	•	x	x	x	x
±1.0% F.S. (class 1.0)						•	•	•			•	•	•	•
±0.6 / 0.5 %F.S. (class 0.6 or 0.5)***				x	x				x	x				
±0.3 / 0.25 %F.S. (class 0.3 or 0.25) ****				x	x	x	****	****	x	x	x	x	x	x
Mirrorscale (standard for PBX-TG, page 12)				x	x	x			x	x	x	x	x	x
<b>TRM scales</b>														
0 ...100 % lin.														
0 ...10 square root														
0.2 ...1 bar														
3 ...15 psi														
20 ...100 kPa														
x	NOT AVAILABLE			* ELEMENT CrMo52 i.o. AISI316Ti/1.4571				*** ONLY FOR TYPE PBX OR PBX-SF						
•	STANDARD			** ELEMENT NiSpan C i.o. AISI316Ti/1.4571				****ONLY FOR TYPE PBX-TG - see page 12						
***** Scale in Psi, kPa, kg/cm², mWC etc. available with no extra charge														

## STANDARD PRESSURE RANGES FOR TYPES: PCX, PMX, PPC, PCD, PMD

PRESSURE RANGES												
(in mbar) **		SCALE DIVISION		CASE DIMENSIONS (in mm)								
		cl. 1.6	option cl. 1.0	Ø 100	Ø 160	Ø 250	72x72	96x96	144x144	192x192	72x144 144x72	192x96 96x192
-4 ...0*	0 ...4*	0.1	0.1	x	•	x	x	x	•	•	x	•
-6 ...0*	0 ...6*	0.1	0.1	x	•	x	x	x	•	•	x	•
-10 ...0*	0 ...10*	0.2	0.2	x	•	x	x	x	•	•	•	•
-16 ...0*	0 ...16*	0.5	0.5	x	•	x	x	x	•	•	•	•
-25 ...0	0 ...25	0.5	0.5	•	•	•	x	•	•	•	•	•
-40 ...0	0 ...40	1	1	•	•	•	•	•	•	•	•	•
-60 ...0	0 ...60	1	1	•	•	•	•	•	•	•	•	•
-100 ...0	0 ...100	2	2	•	•	•	•	•	•	•	•	•
-160 ...0	0 ...160	5	5	•	•	•	•	•	•	•	•	•
-250 ...0	0 ...250	5	5	•	•	•	•	•	•	•	•	•
-400 ...0	0 ...400	10	10	•	•	•	•	•	•	•	•	•
-2.5 ...1.5*	-1.5 ...2.5*	0.1	0.1	x	•	x	x	x	•	•	x	•
-4 ...2*	-2 ...4*	0.1	0.1	x	•	x	x	x	•	•	x	•
-6 ...4*	-4 ...6*	0.2	0.2	x	•	x	x	x	•	•	•	•
-10 ...6*	-6 ...10*	0.5	0.5	x	•	x	x	x	•	•	•	•
-15 ...10	-10 ...15	0.5	0.5	•	•	•	x	•	•	•	•	•
-25 ...15	-15 ...25	1	1	•	•	•	•	•	•	•	•	•
-40 ...20	-20 ...40	1	1	•	•	•	•	•	•	•	•	•
-60 ...40	-40 ...60	2	2	•	•	•	•	•	•	•	•	•
-100 ...60	-60 ...100	5	5	•	•	•	•	•	•	•	•	•
-150 ...100	-100 ...150	5	5	•	•	•	•	•	•	•	•	•
-250 ...150	-150 ...250	10	10	•	•	•	•	•	•	•	•	•
<b>NON STANDARD RANGES:</b>												
e.g. 0-50 mbar etc.												
<b>DOUBLE SCALES</b>												
e.g. mbar/mmWC, mbar/Pa, etc.												
<b>ACCURACY</b>												
±1.6% F.S. / class 1.6				•	•	•	•	•	•	•	•	•
±1.0% F.S. / class 1.0 *							x				x	x
Mirrorscale				x			x	x	x	x	x	x

NOT AVAILABLE     STANDARD

\* not for type PMX and ALL differential pressure gauges

\*\* Scale in psi, kPa, kg/cm<sup>2</sup>, mWC etc. available with no extra charge

### 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 on dial	

### CERTIFICATES FOR PRESSURE GAUGES

TYPE OF CERTIFICATE	NET PRICES
Certificate of Conformity acc. to EN 10204 2.2.	
Material certificate wetted parts acc. to EN 10204 3.1	
ATEX certification, including ATEX on the dial; only possible with STIKO logo for gauges without contact <b>INSTRUMENTS WITH ATEX CERTIFICATION SHALL ALSO HAVE SAFETY GLASS AND A BLOW - OUT</b>	PER ORDER
ATEX certification, including ATEX on the dial; only possible with STIKO logo for gauges with inductive contact <b>INSTRUMENTS WITH ATEX CERTIFICATION SHALL ALSO HAVE SAFETY GLASS AND A BLOW - OUT</b>	PER INSTRUMENT
Pressure (Bar)	<=2500    2500-4000    >=4000
Calibration certificate pressure gauge (standard for PBX-TG - see page 12)	Certificate traceable to international standards
Calibration certificate pressure gauge with transmitter (see page 64)	
Calibration certificates for type PBB (duplex)	

## OPTIONS ON PRESSURE GAUGES

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS								
		CONNECTIONS						CASE & BEZEL		
		1/8"BSP/NPT max. 400 bar	1/4"BSP/NPT max. 1000 bar	1/2"BSP max. 2500 bar***, 1/2"NPT max. 1000 bar	3/8"BSP/NPT max. 1000 bar	M20x1.5 max. 1600 bar	M16x1.5 H.P. female max. 7000 bar**	9/16"UNF x 18 H.P. female max. 7000 bar**	AISI316L / 1.4404	BACK / FRONT FLANGE AISI316L/1.4404
PBX	063		•							×
	080		•						×	×
	100			•						
	160			•					*	*
	250			•					×	×
PBX-SF	063		•						○	×
	100			•					○	
	160			•					○	
PBB	100			•					×	×
	160			•					×	×
PCX	100			•			×	×		
	160			•			×	×		
	250			•			×	×	×	×
PMX	100			•			×	×		×
	160			•			×	×		×
PPB - PPC	square		•				×	×	×	×
	rectangular		•				×	×	×	×
PBS - PBQ	063	ON DEMAND: SEE ALSO PAGE 23-41								
PFS - PFQ	080								×	×
	100									
	160									
PBR - PBT	100	SEE PAGE 42-43								×
	160									
PCD	100			•			×	×		
	160			•			×	×		
PBD	100			•			×	×	×	×
	160			•			×	×	×	×
PMD	100			•			×	×		
	160			•			×	×	×	×
POD	100						×	×		×
	160						×	×	*	×
RPX	ALL			•					×	×
PBX-SS	063		•						•	•
	100			•					•	•
	160			•					•	•

× NOT AVAILABLE    
 • STANDARD    
 ○ ON DEMAND    
 \* Not possible in combinations with contacts or transmitters  
 \*\* Not available with pulsation damper  
 \*\*\* As per DIN16001

# OPTIONS ON PRESSURE GAUGES

TYPE	CASE DIMENSIONS (in mm)	EXTRA COSTS														
		WINDOW MATERIAL			BLOW- OUT		POINTERS					MEASURING SYSTEM				
		PMMA - PLEXIGLASS	SECURIT	LAMINATED SAFETY GLASS	DISC	PLUG * (LIQUID FILLED)	ADJUSTABLE	INDEX POINTER ON GLASS	DRAG POINTER		DRAG POINTER in combination with HZ contact	OIL & GREASE FREE**	MONEL WETTED PARTS	PULSATION DAMPER AISI316 1.4401	OVERLOAD 2x F.S. other on demand	
									Single	Double						
PBX	063				●	●					×	×				
	080				●	●					×	×				
	100				●	●										
	160				●	●										
	250				●	●					×		×			
PBX-SF	063	×	×	●	×	×					×	×				
	100	×	×	●	×	×					×					
	160	×	×	●	×	×					×					
PBB	100				●	●	×				×					
	160				●	●	×				×					
PCX	100				●	●				○	×	×	×	×		see page 16
	160				●	●				○	×	×	×	×		
	250				●	●				×	×	×	×	×		
PMX	100				●	●					×			×	×	see page 17-18
	160				●	●					×			×	×	
PPB	square	●	×	×	×	×					×			×		○
PPC	rectangular	●	×	×	×	×	×	×	×	×	×			×		○
PBS	063		×		●	●					×	×		○		○
PBQ	080		×	×	●	●					×	×		○		○
PFS	100				●	●					×			○		○
PFQ	160				●	●					×			○		○
PBR	100				●	●					×			○		○
PBT	160				●	●					×			○		○
PCD	100	×		×	×	×		×	×	×	×	×	×	×		see page 46
	160	×		×	×	×		×	×	×	×	×	×	×		
PBD	100				●	●					×			×		×
	160				●	●					×			×		×
PDD	100				●	●					×		×	×		×
PMD	160				●	●					×		×	×		×
POD	100				●	●					×	×	×	×		×
	160				●	●					×	×	×	×		×
RPX	ALL	●	see page 21, 22	×	×	×	●	×	×	×	×	×		×		×
RPP		●		×	×	×	●	×	×	×	×	×		×		×
PBX-SS	063	×	●	×	×	×		×	×	×	×	×				
	100	×	●	×	×	×		×	×	×	×	×				
	160	×	●	×	×	×		×	×	×	×	×				

✗ NOT AVAILABLE

● STANDARD

○ ON DEMAND

\* WITH COMPENSATING DIAPHRAGM

\*\* Only PBX-SFxxxX is suitable for use on oxygen!