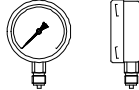
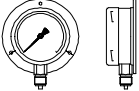
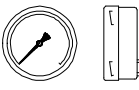
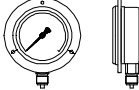
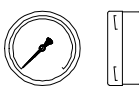
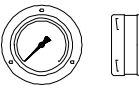
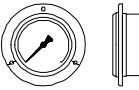
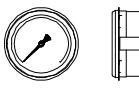
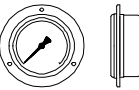


"ALL-STAINLESS" INDUSTRIAL PRESSURE GAUGES, TYPE PBX

TYPE PBX, with bourdon tube

STANDARD MODEL

CASE	: bayonet lock, AISI304/1.4301, IP-65 standard with blow-out	RANGE	: from -1/0 and 0-0,6 - 60 bar, acc. to EN 837-1 for higher pressure ranges (see page 55)
WETTED PARTS	: AISI316Ti/1.4571	ACCURACY	: case Ø 63 and Ø 80 mm ±1.6% F.S. / class 1.6 case Ø100, Ø160, Ø200 and Ø250 mm ±1.0% F.S. / class 1.0
WINDOW	: mineral glass 4 mm	MOVEMENT	: stainless steel AISI304/1.4301
DIAL	: aluminium, black figures on white	OPTIONS	: see page 57-65, electrical contacts and transmitters e.g.: PT5
POINTER	: aluminium, black	TPROCESS	: max. 100 °C. T ambient = MAX 60°C
CONNECTION	: Ø63 and Ø80 mm: ¼"BSP or ¼"NPT Ø100, Ø160, Ø200 and Ø250 : ½"BSP or ½"NPT		

TYPE	MODEL	CASE DIAMETER (Ø in mm)					
		63	80	100	160	200	250
A		PBX063XA	PBX080XA	PBX100XA	PBX160XA	PBX200XA	PBX250XA
B		PBX063XB	PBX080XB	PBX100XB	PBX160XB	PBX200XB	PBX250XB
C		PBX063XC	PBX080XC	PBX100XC	PBX160XC	PBX200XC	PBX250XC
D		PBX063XD	PBX080XD	PBX100XD	PBX160XD	PBX200XD	PBX250XD
E		PBX063XE	PBX080XE	PBX100XE	PBX160XE	PBX200XE	PBX250XE
F		PBX063XF	PBX080XF	PBX100XF	PBX160XF	PBX200XF	PBX250XF
G		PBX063XG	PBX080XG	PBX100XG	PBX160XG	PBX200XG	PBX250XG
H		PBX063XH	PBX080XH	PBX100XH	PBX160XH	PBX200XH	PBX250XH
J		PBX063XJ	PBX080XJ	PBX100XJ	PBX160XJ	PBX200XJ	PBX250XJ
OPTION		EXTRA COSTS					
Connection	at 3, 9, 12 hrs						
Lx	GLYCERINE FILLING (in combination with electrical device: Ondina oil see page 64)	PBX063Lx	PBX080Lx	PBX100Lx	PBX160Lx	N.A.	PBX250Lx
Lx	SILICONE OIL FILLING (in combination with electrical device: Ondina oil see page 64)	PBX063Lx	PBX080Lx	PBX100Lx	PBX160Lx	N.A.	PBX250Lx

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 CE	5	2	1											
0 ...400 CE	10	2	1											
0 ...600 CE	10	5	2											
0 ...1000 CE	20	5	5											
0 ...1600 CE	50	x	x	x	x				x				x	x
0 ...2500* CE	50	x	x	x	x			x	x	x	x	x	x	x
0 ...3000* CE	50	x	x	x	x			x	x	x	x	x	x	x
0 ...4000 upto 0 ...7000 - see page 14 CE														
NON STANDARD RANGES														
e.g. 0-7 bar or 0-110 psi														
DOUBLE SCALES														
e.g. bar/psi, bar/kPa, etc.														
FREON SCALES e.g. R12, R134A, R22, R404A, R407C, R502, R504, R717, NH3														
ACCURACY														
±1.6% F.S. (class 1.6)				•	•	x	x	x	•	•	x	x	x	x
±1.0% F.S. (class 1.0)				x	x	•	•	•			•	•	•	•
±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
TRM scales for receiver gauges														
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														

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. 1600 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**	AISI316 / 1.4401 *	BACK / FRONT FLANGE AISI316/1.4401*
PBX	063		•							X
	080		•						X	X
	100			•						
	160			•						
	250			•					X	X
PBX-SF	063		•						O	X
	100			•					O	
	160			•					O	
PBB	100			•					X	X
	160			•					X	X
PCX	100			•			X	X		
	160			•			X	X		
	250			•			X	X	X	X
PMX	100			•			X	X		X
	160			•			X	X		X
PPB - PPC	square		•				X	X	X	X
	rectangular		•				X	X	X	X
PBS - PBQ	063	ON DEMAND: SEE ALSO PAGE 23-41								
PFS - PFQ	080								X	X
	100									
	160									
PBR - PBT	100	SEE PAGE 42-43								X
	160									X
PCD	100			•			X	X		
	160			•			X	X		
PBD	100			•			X	X	X	X
	160			•			X	X	X	X
PMD -POD	100			•			X	X	X	X
	160			•			X	X	X	X
RPX	ALL			•					X	X
PBX-SS	063		•						•	•
	100			•					•	•
	160			•					•	•

X NOT AVAILABLE
 • STANDARD
 O ON DEMAND
 * Not possible in combinations with contacts or transmitters
 ** Not available with pulsation damper

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				•	•									
PBX-TG	160				•	•									
	250				•	•					×		×		
PBX-SF	063	×	×	•	×	×					×	×			
	100	×	×	•	×	×					×				
	160	×	×	•	×	×					×				
PBB	100				•	•	×				×				
	160				•	•	×				×				
PCX	100				•	•				○	×	×		×	
	160				•	•				○	×	×		×	
	250				•	•				×	×	×		×	
PMX	100				•	•					×			×	×
	160				•	•					×			×	×
PPB	square	•	×	×	×	×					×			×	○
PPC	rectangular	•	×	×	×	×	×	×	×	×	×			×	○
PBS	063		×		•	•					×	×		○	○
PBQ	080		×	×	•	•					×	×		○	○
PFS	100				•	•					×			○	○
PFQ	160				•	•					×			○	○
PBR	100				•	•					×			○	○
PBT	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
 * WITH COMPENSATING DIAPHRAGM

INTERNATIONAL EXPLANATION OF CONTACT FUNCTIONS

CONTACT FUNCTIONS EXPLAINED WITH CLOCKWISE POINTER ROTATION

English

STIKO contact	Magnetic	Inductive	Electrical	Translation:		
1				NO	HIGH	Normally open; makes on rise
2				NC	LOW	Normally closed, breaks on rise

Deutsch

STIKO contact	Magnetspring	Induktiv	Elektronik	Übersetzung:	
1				NO	Schließ'er
2				NC	Öffner

Français

STIKO contact	Magnétique	Inductive	Électronique	Traduction:		
1				FM	MAXI	Fermeture a maxima
2				OM	MINI	Ouverture a maxima

Italiano

STIKO contact	Magnetico	Induttivo	Elettrico	Traduzione	
1				NA	Normalmente aperto
2				NC	Normalmente chiuso

Español

STIKO contact	Magnético	Inductivo	Eléctrico	Traducción	
1				NA	Normalmente abierto
2				NC	Normalmente cerrado

MINIMUM PRESSURE RANGE FOR PRESSURE GAUGES WITH ELECTRICAL DEVICE

TYPE	TYPE OF CONTACT	M-x	M-xx	M-xxx	I-x E-x	I-xx E-xx	I-xxx E-xxx	Q-3	Q-33	PT5 <small>on unit</small> ^{Add}	MECHANICAL TRANSMITTERS	PT-x (max. 1600 bar)
	case dimensions	MINIMUM RANGE (in bar)										
PBX	100	1	1,6	4	1	1,6	1,6	2,5	2,5	0,6	1	1,6
	160	1	1,6	2,5	1	1,6	1,6	2,5	2,5	x	1	1,6
PBX-SF	100	1	1,6	4	1	1,6	1,6	2,5	2,5	0,6	1	1,6
	160	1	1,6	2,5	1	1,6	1,6	2,5	2,5	x	1	1,6
PBQ	100	1,6	1,6	4	1,6	1,6	1,6	2,5	2,5	1,6	1,6	2,5
	160	1,6	1,6	2,5	1,6	1,6	2,5	2,5	2,5	x	1,6	2,5
PBS	100	1,6	1,6	4	1,6	1,6	1,6	2,5	2,5	1,6	1,6	2,5
	160	1,6	1,6	2,5	1,6	1,6	2,5	2,5	2,5	x	1,6	2,5
PFQ	100	1,6	1,6	4	1,6	1,6	1,6	2,5	2,5	1,6	1,6	2,5
	160	1,6	1,6	2,5	1,6	1,6	2,5	2,5	2,5	x	1,6	2,5
PFS	100	1,6	1,6	4	1,6	1,6	1,6	2,5	2,5	1,6	1,6	2,5
	160	1,6	1,6	2,5	1,6	1,6	2,5	2,5	2,5	x	1,6	2,5
PBB*	100	1	1,6	4	1	1,6	1,6	x	x	x	1	1,6
	160	1	1,6	2,5	1	1,6	1,6	x	x	x	1	1,6
PBD	100	1,6	1,6	4	1,6	1,6	1,6	O.D.	O.D.	1,6	1,6	x
	160	1,6	1,6	2,5	1,6	1,6	2,5	O.D.	O.D.	x	1,6	x
PMD	100	1,6	1,6	4	1,6	1,6	1,6	1	1	1,6	1,6	x
	160	1,6	1,6	2,5	1,6	1,6	2,5	1	1	x	1,6	x
POD** <small>Excluding -HS</small>	100	1,6	1,6**	x	1,6	1,6**	x	x	x	0,6	O.D.	x
	160	1,6	1,6**	x	1,6	1,6**	x	x	x	x	O.D.	x
PMX	100	1	1,6	4	1	1,6	1,6	O.D.	O.D.	1,6	1	x
	160	1	1,6	2,5	1	1,6	1,6	O.D.	O.D.	x	1	x
PMX-E/G***	160	x	x	x	x	1,6	x	x	x	x	x	x
PBR	100	25	25	25	25	25	25	25	25	25	25	25
	160	25	25	25	25	25	25	25	25	25	25	25
PBT	100	16	16	16	16	16	16	16	16	16	16	16
	160	16	16	16	16	16	16	16	16	x	16	16
PPB****	96x96	1	1,6	4	1	1,6	1,6	2,5	2,5	x	1	1,6
	144x144	1	1,6	4	1	1,6	1,6	2,5	2,5	x	1	1,6
	72x144	1	1,6	2,5	1	1,6	x	2,5	2,5	x	x	1,6
TYPE	case dimensions	MINIMUM RANGE (in mbar)										
PCX	100	x	x	x	x	x	x	x	x	10	x	x
	160	x	x	x	x	10	x	x	x	x	x	x
PMX	100	40(0)	100	250	40	100	100	O.D.	O.D.	25	x	x
	160	40(0)	100	250	40	100	250	O.D.	O.D.	x	x	x
PMX-E/G***	160	x	x	x	x	40	x	x	x	x	x	x
PMD - low	160	40	100	250	40	100	100	O.D.	O.D.	25	x	x
PPC***	144x144	x	x	x	x	10	x	O.D.	O.D.	x	x	x

* Only possible with one pointer

** M-11 and M-22 / I-11 and I-22 not possible in POD models

*** PPC and PMX-E/G only possible with inductive "INTERVALL" Contact type : I-intervall

**** Only possible with stainless steel bourdon tube

(0) If liquid filled minimum range 400 mbar

x NOT POSSIBLE