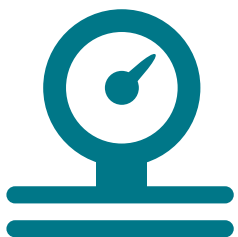


STIKO

TEMPERATURE
PRESSURE
CALIBRATION



Documentation 2025

CONTACT GAUGES



GENERAL INFORMATION

- This price list is for **pressure gauges with contact** 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 Contact Gauges

Section A - Gauges configuration (case type, ranges and options)

Construction types and minimum ranges	Page 4
Contact gauges in standard stainless steel cases	Page 5
Contact gauges in solid-front cases	Page 6
Contact gauges in square or rectangular cases	Page 7
Standard ranges	Page 8
Gauge options	Page 9

Section B - Contact types, functions and options

Section B overview		Page 10
Contact functions		Page 11
Contacts	- magnetic	Page 12
	- inductive	Page 13
	- microswitch	Page 14
	- electric	Page 15
Contact options and transmitters		Page 16
Datasheet PT2, PT3, PTV		Page 17
Datasheet PT5		Page 18

Besides contact 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, 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.

POSSIBILITIES, REQUIREMENTS AND CONSTRUCTION TYPES

Regular STIKO Contact Gauges are available for ranges between 0-600 mbar and 0-1600 bar.

There are three construction types for STIKO Contact Gauges:

- Standard open-front stainless-steel cases - see page 5
- Solid-front stainless-steel cases - see page 6
- Square or rectangular cases (glassfiber-reinforced Noryl) - see page 7

For contact gauges requiring lower or higher pressure ranges, please refer to the below STIKO booklets and combine the prices of those gauges, with the prices of section B from this booklet.

- Low pressure ranges below 0-600mbar → STIKO Schaeffer Gauges
- Pressure ranges between 0-1600 bar and up to 0-3000 bar → STIKO High-Pressure Gauges

Contacts can also be built-in into the following types of gauges.

- Differential gauges
- Schaeffer gauges
- Gauges with seals

In order to calculate the prices for these construction types, please refer to the corresponding STIKO booklets and combine the prices of those gauges, with the prices of section B from this booklet.

Please be aware that there are **minimal range requirements** per type of contact. For the possibilities, check the table below.

STIKO offers four contact types, each of which offers the possibility of single or doubles contacts, sometimes even up to 4 switch functions :

- Magnetic contacts - see page 11
- Inductive contacts - see page 12
- Microswitches - see page 13
- Electric contacts - see page 14

MINIMUM PRESSURE RANGE REQUIREMENTS

TYPE	TYPE OF CONTACT	M-x	M-xx M-3	M-xxx M-33	I-x E-x	I-xx E-xx	I-xxx E-xxx**	Q-3	Q-33	PT5 Add-on unit	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	1,6	1,6
	160	1	1,6	2,5	1	1,6	1,6	2,5	2,5	0,6	1,6	1,6
PBX-SF	100	1	1,6	4	1	1,6	1,6	2,5	2,5	0,6	1,6	1,6
	160	1	1,6	2,5	1	1,6	1,6	2,5	2,5	0,6	1,6	1,6
PPB *	96x96	1	1,6	4	1	1,6	1,6	2,5	2,5	x	1,6	1,6
	144x144	1	1,6	4	1	1,6	1,6	2,5	2,5	x	1,6	1,6
	72x144	1	1,6	2,5	1	1,6	x	2,5	2,5	x	x	1,6

x

Not possible

* Only possible with stainless steel bourdon tube

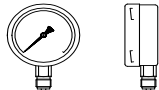
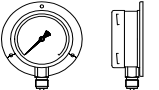
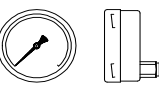
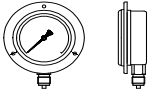
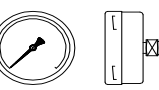
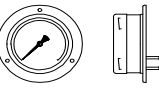
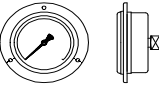
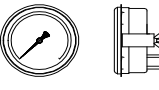
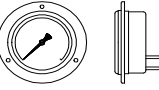
** M-xxxx / I-xxxx / E-xxxx contacts are on demand

"ALL-STAINLESS" INDUSTRIAL PRESSURE GAUGES, TYPE PBX-K

TYPE PBX-K, with bourdon tube and contact

STANDARD MODEL

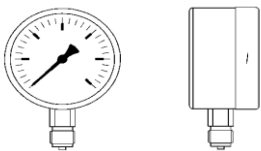
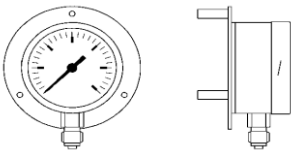
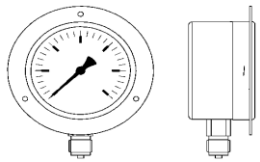
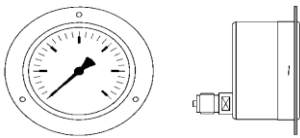
CASE	: bayonet lock, AISI304/1.4301, IP-65, standard with blow-out	RANGES	: from -1/0 and 0-0,6 - 1600 bar, acc. to EN 837-1
WETTED PARTS	: AISI316L/1.4404	ACCURACY	: case Ø100, Ø160mm ±1.0% F.S. / class 1.0
WINDOW	: polycarbonate	MOVEMENT	: stainless steel AISI304/1.4301
DIAL	: aluminium, black figures on white	OPTIONS	: see page 9
POINTER	: aluminium, black	TPROCESS	: max. 100 ° C. T ambient = MAX 60°C
CONNECTION	: Ø100, Ø160: ½"BSP or ½"NPT		

TYPE	MODEL	CASE DIAMETER (Ø in mm)	
		100	160
A		PBX100XA-K	PBX160XA-K
B		PBX100XB-K	PBX160XB-K
C		PBX100XC-K	PBX160XC-K
D		PBX100XD-K	PBX160XD-K
E		N.A. PBX100XE-K	N.A. PBX160XE-K
F		PBX100XF-K	PBX160XF-K
G		N.A. PBX100XG-K	N.A. PBX160XG-K
H		PBX100XH-K	PBX160XH-K
J		PBX100XJ-K	PBX160XJ-K
OPTION			
Connection	at 3, 9, 12 hrs		
Lx	RESISTANCE OIL CASE FILLING Standard-filling (FDA approved)	PBX100Lx-K	PBX160Lx-K
	SILICONE OIL CASE FILLING	PBX100Lx-K	PBX160Lx-K

"ALL-STAINLESS" SOLID-FRONT PRESSURE GAUGES, TYPE PBX-SF-K

TYPE PBX-SF-K, full safety pattern according to EN 837-1, with contact STANDARD MODEL

CASE	: bayonet lock, AISI304/1.4301, IP-65, solid front & blow-out back acc. to EN 837-1	RANGES	: from -1/0 and 0-0,6 - 1600 bar, acc. to EN 837-1
WETTED PARTS	: AISI316L/1.4404	ACCURACY	: case Ø100 and Ø160 : ± 1.0% F.S./class 1
WINDOW	: safety glass	MOVEMENT	: AISI304/1.4301
DIAL	: aluminium, black figures on white	APPLICATION	: general and heavy industry
POINTER	: aluminium, black	OPTIONS	: see page 9
CONNECTION	Ø100 and Ø160mm : ½"BSP or ½"NPT		

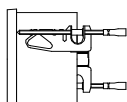
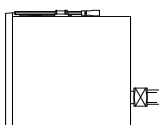
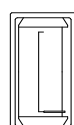
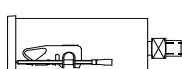
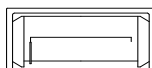
TYPE	MODEL	CASE DIAMETER (Ø in mm)	
		100	160
A		PBX-SF100XA-K	PBX-SF160XA-K
B		PBX-SF100XB-K	PBX-SF160XB-K
C *		PBX-SF100XC-K	N.A.
D		PBX-SF100XD-K	PBX-SF160XD-K
J *		PBX-SF100XJ-K	N.A.
OPTIONS		EXTRA COSTS	
Lx	RESISTANCE OIL CASE FILLING (FDA APPROVED)	PBX-SF100Lx-K	PBX-SF160Lx-K
	SILICON OIL CASE FILLING	PBX-SF100Lx-K	N.A.

* Not possible in combination with liquid-filled

SQUARE AND RECTANGULAR PRESSURE GAUGES

TYPE PPB-K, with bourdon tube for panel mounting, with contact

CASE	: profile, glassfibre reinforced black Noryl IP-45	CONNECTION	: 1/4"BSP or 1/4"NPT female, AISI316L/1.4404
WETTED PARTS	: AISI316L/1.4404	RANGE	: from -1/0 and 0-0,6 - 1000 bar, acc. to EN 837-1
WINDOW	: plexiglass	MOVEMENT	: see table
DIAL	: aluminium, black figures on white	ACCURACY	: see table
POINTER	: aluminium, black	GAUGE OPTIONS	: see page 9

TYPE	MODEL	CASE DIMENSIONS (in mm)			
		72x72	96x96	144x144	192x192
S SQUARE	 RANGE : ACCURACY : MOVEMENT :	N.A.	PPB96x96XS	PPB144x144XS	PPB192x192XS
			0-1 upto 60 bar	0-0,6 upto 60 bar	0-0,6 upto 60 bar
			±1.6%F.S./cl. 1.6	±1,0%F.S./cl. 1.0	±1.0%F.S./cl. 1.0
			brass	AISI304/1.4301	AISI304/1.4301
TYPE	MODEL	72x144		96x192	
V VERTICAL	 RANGE : ACCURACY : MOVEMENT :	PPB72x144XV		PPB96x192XV	
		0-0,6 upto 60 bar		0-0,6 upto 60 bar	
		±1.0%F.S./cl. 1.0		±1.0%F.S./cl. 1.0	
		AISI304/1.4301		AISI304/1.4301	
TYPE	MODEL	144x72		192x96	
H HORIZONTAL	 RANGE : ACCURACY : MOVEMENT :	PPB144x72XH		PPB192x96XH	
		0-0,6 upto 60 bar		0-0,6 upto 60 bar	
		±1.0%F.S./cl. 1.0		±1.0%F.S./cl. 1.0	
		AISI304/1.4301		AISI304/1.4301	
OPTIONS		CASE DIMENSIONS (in mm)			
PPB DUPLEX	DOUBLE MEASURING SYSTEM AISI316Ti/1.4571	72x72	96x96	144x144	192x192
		N.A.			
		72x144	96x192	144x72	192x96
ELECTRIC LIGHT INSIDE CASE	12Vdc or 24Vdc with connector				
NOTE:		LIQUID FILLING NOT POSSIBLE FOR TYPE PPB			

N.A.

NOT AVAILABLE

PRICE SURPLUSSES FOR CONTACT GAUGE PRESSURE RANGES

PRESSURE RANGES (in bar)		EXTRA COSTS					
	SCALE DIVISION for cl. 1.0 cl. 1.6	CASE DIMENSIONS (in mm)					
		Ø 100	Ø 160	96x96	144x144	72x144 144x72	192x96 96x192
-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 CE	5						
0 ...400 CE	10						
0 ...600 CE	10						
0 ...1000 CE	20						
0 ...1600 CE	50					x	x
ACCURACY							
±1.6% F.S. (class 1.6)		x	x	•	x	x	x
±1.0% F.S. (class 1.0)		•	•		•	•	•
DOUBLE SCALES							
e.g. bar/psi, bar/kPa, etc.							
NON STANDARD RANGES							
e.g. 0-7 bar or 0-110 psi							

x

NOT AVAILABLE

•

STANDARD

OPTIONS ON CONTACT GAUGES

TYPE	CASE DIMENSIONS (in mm)	CONNECTION						CASE & BEZEL	
		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	M16x1.5 H.P. female	9/16"UNFx18 H.P. female	BACK / FRONT FLANGE AISI316L/1.4404	AISI316L/1.4404
PBX	100		•						
	160		•					×	O.D.
PBX-SF	100		•						
	160		•						O.D.
PPB	square	•				×	×	×	×
	rectangular	•			×	×	×	×	•

TYPE	CASE DIMENSIONS (in mm)	MEASURING SYSTEM						
		OIL & GREASE FREE 0+60 bar	OIL & GREASE FREE 0+100 bar and more	Gauge suited for use with OXYGEN 0+60 bar	Gauge suited for use with OXYGEN 0+100 bar and more	MONEL WETTED PARTS	PULSATION DAMPER AISI316 1.4401	OVERLOAD 2x F.S. other on demand
PBX	100			×	×			
	160			×	×			
PBX-SF	100							
	160							
PPB	square			×	×	×		O.D.
	rectangular			×	×	×		O.D.

TYPE	CASE DIMENSIONS (in mm)	POINTERS		WINDOW MATERIAL		BLOW-OUT	
		INDEX POINTER ON GLASS	SINGLE DRAG POINTER in combination with HZ contact	PMMA - PLEXIGLASS	LAMINATED SAFETY GLASS	DISC	PLUG * (LIQUID FILLED)
PBX	100					•	•
	160					•	•
PBX-SF	100			×	•	×	×
	160			×	•	×	×
PPB	square			•	×	×	×
	rectangular	×	×	×	×	×	×

×	NOT AVAILABLE	•	STANDARD	O.D.	ON DEMAND
---	---------------	---	----------	------	-----------

* WITH COMPENSATING DIAPHRAGM

	EX certified instrument	Only available with inductive contact. Please refer to our STIKO Price List Certificates.
--	--------------------------------	--

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	

SECTION B - CONTACTS

This section lists the contact functions and types as well as the options.
Add-on units are also listed.

These contacts can be mounted on the gauge types listed in section A of this booklet.

Contacts can also optionally be added to the following types of other STIKO gauges:

- Gauges with seals
- Differential gauges
- Schaeffer gauges

In this case, the price of the gauge can be calculated according to the corresponding price booklets and the price of the contact from this section can be added.

Specifically for differential gauges, however, the gauge needs to be made "contact-ready" before the contact can be installed (case extension).

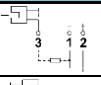
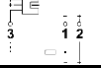
The costs of getting differential gauges "contact-ready" are indicated below.

Case diameter	Ø 100	Ø 160
<i>Case extension for making differential gauges "contact-ready" (excluding contact)</i>		

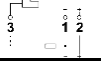
INTERNATIONAL EXPLANATION OF CONTACT FUNCTIONS

CONTACT FUNCTIONS EXPLAINED WITH CLOCKWISE POINTER ROTATION

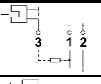
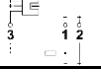
English

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

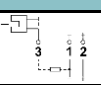
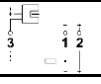
Deutsch

	Magnetspring	Induktiv	Elektronik	Übersetzung:		
STIKO contact	M	I	E			
1				NO		Schließer
2				NC		Öffner

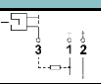
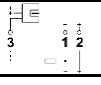
Français

	Magnétique	Inductif	Électronique	Traduction:		
STIKO contact	M	I	E			
1				FM	MAXI	Fermeture a maxima
2				OM	MINI	Ouverture a maxima

Italiano

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

Español

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

BUILT-IN LOW-ACTION CONTACT TYPE M

TYPE M Hz

INSTRUMENT	: class 1
MINIMAL RANGE	: As per page 59
CONNECTOR	: cable junction box, SEE BELOW
HYSTERESIS	: max. 1% up and down
SETPOINT(S)	: from outside with key
WINDOW	: polycarbonate (safety glass is optional)
POINTER	: black
CONTACT POINTER(S)	: red

example:

PBX100XA
+ M-12 Hz



ELECTRICAL SWITCH CAPACITY

AC	: 50 VA (max. 250V)
DC	: 30 W (max. 250V)

CONTACT TYPE	SWITCH FUNCTION	CABLE JUNCTION BOX	CASE DIMENSIONS				
			100	160	96x96	144x144	72x144
M-1 Hz* *Potential free							
M-2 Hz* *Potential free							
M-3 Hz* *Potential free							
M-11 Hz							
M-12 Hz							
M-21 Hz							
M-22 Hz							
M-xx Hz +GS* *Potential free	 example: M-21 Hz GS						N.A.
M-33 Hz							N.A.
M-33 Hz+GS* *Potential free							N.A.
M-xxx Hz	functions to be specified at order						N.A.
M-xxxx Hz	functions to be specified at order		O.D.	O.D.	O.D.	O.D.	N.A.

BUILT-IN INDUCTIVE CONTACT TYPE I

TYPE I Hz

INSTRUMENT	: class 1
MINIMAL RANGE	: As per page 59
CONNECTOR	: cable junction box, SEE BELOW
HYSTERESIS	: max. 1% up and down
SETPOINT(S)	: from outside with key
WINDOW	: polycarbonate (safety glass is optional)
POINTER	: black
CONTACT POINTER(S)	: red

ELECTRICAL SWITCH CAPACITY

Nominal voltage	: 8VDC (Ri=1 Kohm)
Explosion proof	: EEx ia II C T6
Regulations	: EN 60947-5-2

example:

PBX160XA
+ I-xxx Hz

Also available with:



See our certificate price list



CONTACT TYPE	SWITCH FUNCTION OPERATING CURRENT	CABLE JUNCTION BOX	CASE DIMENSIONS				
			100	160	96x96	144x144	72x144
I-1 Hz <i>Si 2-K08-Y1 (Turck)</i>							
I-2 Hz <i>Si 2-K08-Y1 (Turck)</i>							
I-x Hz+2SN <i>SJ 2 SN (Pepperl+Fuchs)</i>				N.A.		N.A.	
I-x Hz+3.5SN <i>SJ 3.5 SN (Pepperl+Fuchs)</i>			N.A.		N.A.		N.A.
I-11 Hz <i>Si 2-K08-Y1 (Turck)</i>							
I-12 Hz <i>Si 2-K08-Y1 (Turck)</i>				SJ3.5N		SJ3.5N	
I-21 Hz <i>Si 2-K08-Y1 (Turck)</i>				SJ3.5N		SJ3.5N	
I-22 Hz <i>Si 2-K08-Y1 (Turck)</i>							
I-xx Hz+2SN <i>SJ 2 SN (Pepperl+Fuchs)</i>	function to be specified at order			N.A.		N.A.	597,20
I-xx Hz+3.5SN <i>SJ 3.5 SN (Pepperl+Fuchs)</i>	function to be specified at order		N.A.		N.A.		N.A.
I-xxx Hz <i>Si 2-K08-Y1 (Turck)</i>	function to be specified at order		O.D.	O.D.	O.D.	O.D.	N.A.
I-xxxx Hz <i>Si 2-K08-Y1 (Turck)</i>	function to be specified at order		O.D.	O.D.	O.D.	O.D.	N.A.

PRESSURE GAUGE WITH LOW HYSTERESIS BUILT-IN MICROSWITCH TYPE Q

TYPE Q-3 Hz and Q-33 Hz

STANDARD MODEL

INSTRUMENT	: class 1
MINIMAL RANGE	: see page 59
ELECTRICAL CONNECTION	: cable junction box
HYSTERESIS	: max. 1% up and down
SETPOINT(S)	: from outside
WINDOW	: PMMA - plexiglass
POINTER	: micro adjustable
CONTACT POINTER(S)	: first red, (second yellow)

ELECTRICAL SWITCH CAPACITY

125 Vac	: 5A (ind. load 3A)
250 Vac	: 3A (ind. load 2A)
DC 30 V	: 5A (ind. load 3A)
DC 125 V	: 0.4A (ind. load 0,4A)
DC 250 V	: 0.2A (ind. load 0,2A)



Class 1 and 5 Amp!!

CONTACT TYPE	TYPE	SWITCH FUNCTION	CASE DIAMETER (Ø in mm)			
			100	160	96x96	144x144
Q - 3 Hz* *Potential free SPDT	SINGLE					
Q - 33 Hz* *Potential free DPDT	DOUBLE					
OPTION			EXTRA COSTS			
SETPOINT	FIXED SETPOINT	WITHOUT SETPOINT(S) ADJUSTMENT				
LIQUID FILLING NOT POSSIBLE WITH MICROSWITCH						
SAFETY GLASS NOT POSSIBLE WITH MICROSWITCH						

BUILT-IN ELECTRONIC CONTACT TYPE E

TYPE E Hz

INSTRUMENT	: class 1
MINIMAL RANGE	: As per page 59
CONNECTOR	: cable junction box, SEE BELOW
HYSTERESIS	: max. 1% up and down
SETPOINT(S)	: from outside with key
WINDOW	: polycarbonate (safety glass is optional)
POINTER	: black
CONTACT POINTER(S)	: red

example:

PBX100XA
+ E-12 Hz



ELECTRICAL SWITCH CAPACITY

Nominal voltage	: 10...30 V dc
Proximity sensor	: Si-K08-AP6 (Turck)
Output	: 3-wire, PNP
Regulations	: EN 60947-5-2

CONTACT TYPE	SWITCH FUNCTION	CABLE JUNCTION BOX	CASE DIMENSIONS				
			100	160	96x96	144x144	72x144
E-1 Hz							
E-2 Hz							
E-11 Hz							
E-12 Hz							
E-21 Hz							
E-22 Hz							
E-xxx Hz	function to be specified with order		O.D.	O.D.	O.D.	O.D.	N.A.
E-xxxx Hz	function to be specified with order		O.D.	O.D.	O.D.	O.D.	N.A.

OPTIONS FOR ELECTRICAL CONTACTS

OPTIONS	DESCRIPTION	ALL CASE SIZES
CABLE	Cable connected to junction box for HZ electrical contacts	First 1500 mm: per 1000 mm extra:
MSR-010	Protection relay for single acting contacts (supply 230Vac)	
MSR-020	Protection relay for double acting contacts (supply 230Vac)	
WE 77/Ex-1	Protection relay for single inductive contacts Eex ia ib IIC (230Vac)	
WE 77/Ex-2	Protection relay for double inductive contacts Eex ia ib IIC (230Vac)	

BUILT-IN TRANSMITTER DEVICES FOR PRESSURE GAUGES

BUILT-IN EXECUTION (HZ) C.W. CABLE JUNCTIONBOX						
TYPE	DESCRIPTION	EXTRA COSTS				
		CASE DIMENSIONS (in mm)				
MECHANICAL TRANSMITTER DRIVEN BY POINTER		Ø 100	Ø 160	96 x 96	144 x 144	72 x 144
R	potentiometer with 0-100 ohm/3-wire output					N.A.
BUILT-IN TRANSMITTER (span: min. 1.6 bar max. 1400 bar)		Ø 100	Ø 160	96 x 96	144 x 144	72 x 144
PT2	4-20 mA, 2-wire, +13..+35Vdc					
PT3	0-20 mA, 3-wire, +13..+35Vdc					
PTV	0-5V or 0-10 Vdc, 3-wire, +13..+35Vdc					
ADD-ON TRANSMITTER		Ø 100	Ø 160	96 x 96	144 x 144	72 x 144
PT5	See page 16			N.A.		

Contact device on top of dial) with PG cable conduit and 1500 mm cable

DIN16085/16196 TYPE	Switch function in clockwise direction	EXTRA COSTS	
		CASE DIMENSIONS (in mm)	
MAGNETIC ADD-ON CONTACT (=30W/~50VA), TYPE: M		Ø 100	Ø 160
M -1	contact closes		
M -2	contact opens		
M -3	single change-over contact (SPDT)		
M -11	1st contact closes, 2nd contact closes		
M -12	1st contact closes, 2nd contact opens		
M -21	1st contact opens, 2nd contact closes		
M -22	1st contact opens, 2nd contact opens		
M -xx+GS	double acting contact with separate circuits		
M -xxx	triple acting contact, 1=closes, 2=opens		
INDUCTIVE ADD-ON CONTACT (=8V, Ri=1 kohm, EEx ia IIC T6), TYPE: I		Ø 100	Ø 160
I -1	contact closes (operating current)		
I -2	contact opens		
I -x+SN	single contact with safety oscillator (SN)		
I -11	1st contact closes, 2nd contact closes		
I -12	1st contact closes, 2nd contact opens		
I -21	1st contact opens, 2nd contact closes		
I -22	1st contact opens, 2nd contact opens		
I -xx+SN	double contact with safety oscillator (SN)		

PRESSURE GAUGE WITH BUILT-IN TRANSMITTER

TYPES PT2, PT3 and PTV

RANGES	: -1/+0,6 up to 0+1400 bar
POWER SUPPLY	: +13...+35Vdc
CLASS (F.S.)	: <0,5% (<0,25% optional)
ELECTRICAL PROTECTION	: against reversed power supply
PROCESS TEMPERATURE	: -20...+100°C
AMBIENT TEMPERATURE	: -20...+70°C
TEMPERATURE DRIFT	: ≤ 0,03% per °C
EMISSION IMMUNITY	: EN 50 081-1 EN 50 082-2
ELECTRICAL CONNECTION	: cable junction box
CONNECTED CABLE	: screened twisted pair
SUITED FOR CASES	: ø100, ø160 : 96x96, 144x144, 72x144



TRANSMITTER TYPE	DESCRIPTION	REMARKS	FUNCTION	PRICE
PT2	4-20 mA, 2-wire	Max loop resistance ≤ (U _b -9,5V)/0,02A	SCREENED TWISTED PAIR CABLE 4-20 mA R ± 24Vdc	
PT3	0-20 mA, 3-wire	Maximum load $R = (V_{\text{supply}} - 13V) / 20\text{mA}$		
PTV	0-5 or 0-10 Vdc, 3-wire	Load resistance > 10k Ω		

PT5 Transmitter / add-on system for pressure gauges

APPLICATION

MODEL PT5

Suitable for instruments of $\varnothing 100$ mm and $\varnothing 160$ mm:

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

FEATURES

Electronics with RF technology, not mechanically driven.
 Transmitter has no effect on the pointer.
 Accuracy of the 4...20 mA 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 PT5, 4...20 mA transmitter
(depicted on capsule gauge)**

TRANSMITTER

CASE DIAMETER

100

160

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

OPTION

CASE FILLING (only resistance oil)

O.D.