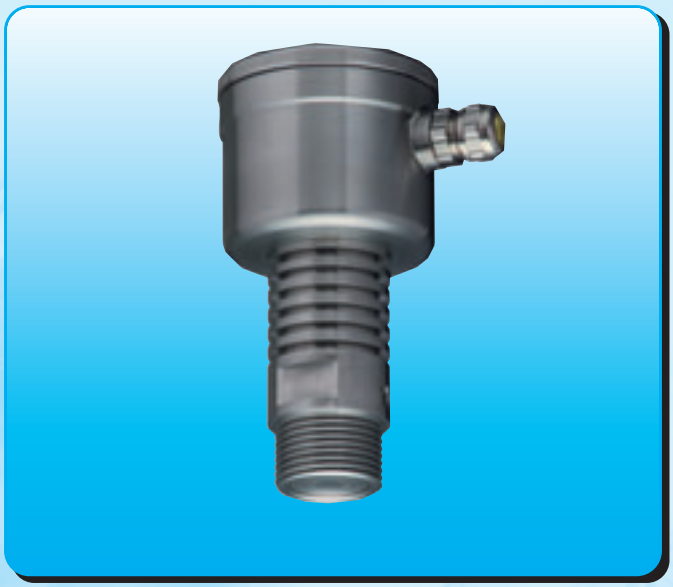
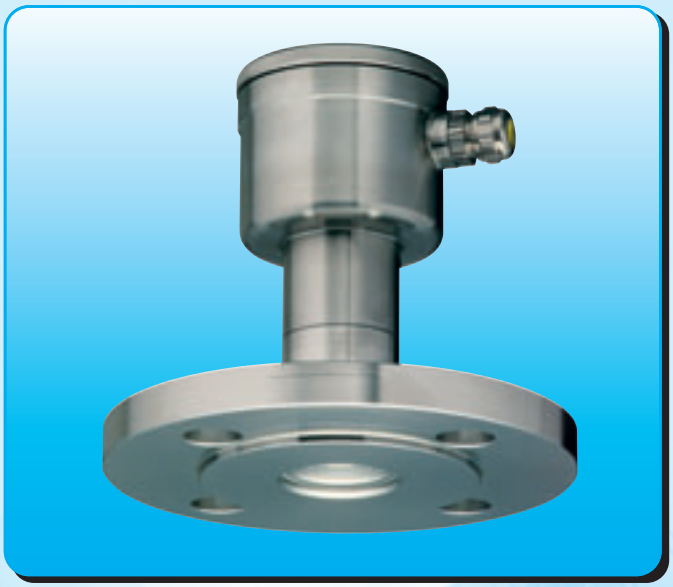
PRESSURE AND LEVEL TRANSMITTERS

for MARINE Applications





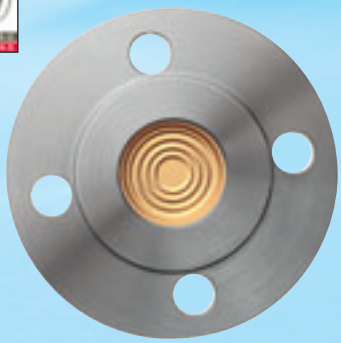
- "ALL STAINLESS" TRANSMITTERS
- STRONG DIAPHRAGMS
- ACCURACY 0,2%
- ZERO/SPAN ADJUSTABLE
- HIGH BURST PRESSURES
- RUGGED/COMPACT DESIGN
- OUTPUT 4-20 mA
- TEMPERATURE COMPENSATED
- INTRINSICALLY SAFE ATEX Ex II 1 G EEx ia IICT4
- MARINE APPROVALS

Lloyd's Register

Description

Klay Instruments offers a wide range of pressure and leveltransmitters in **compact and rugged "All Stainless steel" design**, ideal for applications in the Marine and shipbuilding industry.

The series 8000 are internally adjustable on zero and span by 2 potentiometers. **All transmitters are fully temperature compensated and are equiped with strong flush mounted diaphragms.** For topmounting level-applications our submersible transmitters "Hydrobar" can be used.



Gold plated diaphragm (option)

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Specifications

Accuracy	:	0,2% of adjusted span
Measuring ranges	:	0,1 bar to 80 bar
Output signal	:	4-20 mA / 2-wire
Adjustment	:	Zero and span internally
Power supply	:	13 to 40 VDC
Electrical connection	:	PG9 / 1/2´´ NPT or M20
External load (max.)	:	550 Ohms/24 V to 1250 Ohms/40 VDC
Protection grade	:	IP66 (Option: IP68)
Process temperature	:	–20°C to +80°C
Ambient temperature	:	–20°C to +65°C
Temperature sensitivity	:	+/- 0,015%/K
Process connections	:	See Ordering Code (see options)
Wetted parts	:	AISI 316 (standard)
Electronic housing	:	AISI 304 (standard) (Option: AISI 316)

Vacuum and compound ranges available (specify)

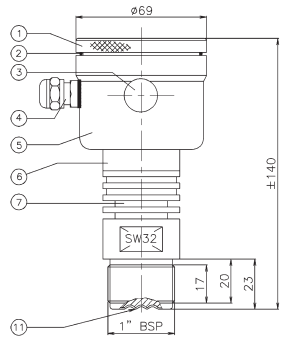
How to choose the right range?

When you choose the range, *take the range with the highest overpressure.*

Example: Your calibrated range must be 0-10 bar. You can choose between range F (2,5-10 bar) or G (7,5-16 bar). Take range G because the over-pressure for range G is 80 bar and overpressure for range F is 30 bar.

Specifications can change without notice

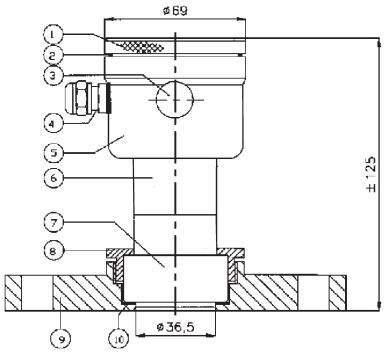
Code S



Parts description

1.	Cover	AISI 304
2.	O-Ring	EPDM
3.	Venting	PA
4.	Cable entry	
5.	Electronic housing	AISI 304
6.	Connecting part	AISI 304
7.	Sensor foot	AISI 316
8.	Lock ring	AISI 304
9.	Flange	AISI 316
10.	Packing ring	PTFE
11.	Diaphragm	AISI 316

Code F



Ordering Code

Order code	8000-						
Order code for Flanged process connection	8000-SAN-		F				
measuring range (bar)	maximum overpressure (bar)	adjustable span-range min. - max.(bar)						
0 - 0,1 ...0,4	6,4	0 - 0,1 / 0 - 0,4	B					
0 - 0,4 ...0,7	6,4	0 - 0,4 / 0 - 0,7	C					
0 - 0,7 ...1,5	10,5	0 - 0,7 / 0 - 1,5	D					
0 - 1 ...4	16	0 - 1 / 0 - 4	E					
0 - 2,5 ...10	30	0 - 2,5 / 0 - 10	F					
0 - 7,5 ...16	80	0 - 7,5 / 0 - 16	G					
0 - 16 ...50	120	0 - 16 / 0 - 50	H					
0 - 20 ...80	200	0 - 20 / 0 - 80	I					
PROCESS CONNECTIONS:								
- G1" (1" BSP) threaded connection (flush diaphragm)				S				
- Flanged DIN or ANSI, all sizes available (specify size)		**Typecode: 8000-SAN-range-**		F				
OPTIONS:								
- Digital local Indicator 3½ digit, programmable					I			
- Vacuum Ranges (Specify relative or absolute). Compound range available (example -1 / +1 bar)						V		
- Intrinsically safe: ATEX Ex II 1 G EEx ia IIC T4							Ex	
- IP68 protection, vented cable mounted on cable entry (Specify cable length).								G6
- Hasteloy C diaphragm								G7
- Electronics housing AISI 316 (AISI 304 is standard)								G9
- Gold plated diaphragm								G16
- Process connection ½" BSP M. (By adapter)								G21
- Process connection ½" NPT M. (By adapter)								G35

D/E/8000 Marine/02-06/00