

Klinger Smart 451DP-seals

Differenstrykstransmitter m. forsats

Klinger Field 451 er en familie af tryk- og differenstrykstransmittere beregnet til måleopgaver indenfor alle former for industri.

Transmitteren leveres i en speciel udgave med membranforsats og kapillarrør, primært beregnet til niveaumåling i lukkede systemer.

Måleområder fra 60 mbar op til 100 bar med en standard nøjagtighed bedre end 0,5%.

Systemerne leveres med medieberørte dele i SS316L, Hastelloy C, Monel eller Tantal, ligesom et temperaturområde fra -40 op til 315°C gør det nemt at vælge en løsning der passer til processen.

Leveres med kalibreringscertifikat

Som udgangspunkt vælger du mellem 5 forskellige måleceller/-områder, hvorefter transmitteren kan indstilles til lige det måleområde du ønsker.

Uanset hvilket område du bestiller den i, medleveres et kalibrerings certifikat (5 punkter) i overensstemmelse med det valgte måleområde.

Vælger du Klinger Smart 451 til din næste måleopgave får du derfor:

- En robust transmitter med stor fleksibilitet.
- Høj målenøjagtighed i et stort måleområde
- Enkel indstilling uden brug af værktøj.



Model: PFW



Model: RFW



Model: RTW



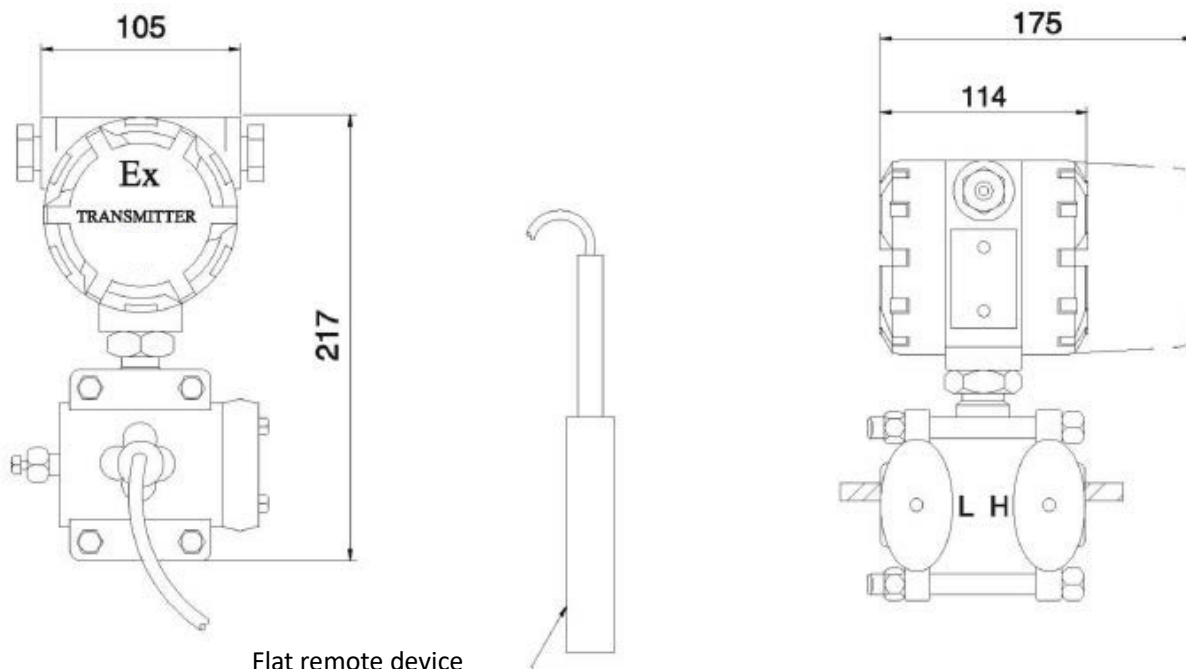
Model: EFW



Tekniske data

Measurement range	0~6kPa---0~10MPa
Pressure type	GP(Gauge pressure), DP(Differential pressure)
Power supply	24V DC
Medium	High temperature , corrosion or viscous liquids
Output signal	Analogue output, 4-20mA DC/ HART protocol
Span and zero point	Adjustable
Accuracy	0.25%FS
Process connection	Flange mounted
Diaphragm material	Stainless steel 316 / Monel / Hastelloy C / Tantalum
Remote devices (Optional)	1191PFW Flat remote device(work stress 2.5MPa)
	1191RTW Screw-mount type remote device(maximum work pressure 10MPa)
	1191RFW Flange mounted remote device
	1191EFW remote device into the drum (work stress 2.5MPa)

Dimensioner



Flat remote device

Pressure transmitter with PFW flat remote Flange

Bestillings kode

Remote devices

Table 1

1199PFW	Flat remote device	
Code	Device Form	
11	Flat 3"— ANSI 150 lb	
22	Flange 2" ANSI 300lb	
Code	Diaphragm material of Flat remote device	
A	316L Stainless steel	
B	HastelloyC—276	
C	Tantalum	
Code	Shell material	
11	316L Stainless steel	
1199PFW 11 A 11	← Ordering guide	

Thread install remote device

Table 2

1199RTW	Thread install remote device		(Max working pressure 10MPa)	
Code	Spare hole for wash			
11	Non			
21	Yes			
Code	Diaphragm material of Flat remote device			
A	316L Stainless steel			
B	HastelloyC—276			
C	Tantalum			
Code	Structure material			
11	The upper sleeve is 316SS, Mounting ring is galvanized carbon steel Gaskets are asbestos, fluoro rubber, and nitrile.			
31	The upper sleeve and the mounting ring are 316SS Gaskets are asbestos, fluoro rubber, and nitrile.			
Code	The lower sleeve material			
A	316L Stainless steel			
B	HastelloyC			
Code	Prssure connection hole			
13	1/2 — 14NPT Female thread connector			
1199RTW 11 A 11 A 13	← Ordering guide			

Insert barrel remote device

Table 3

1199EFW	Insert barrel remote device			
Code	Diameter of inset barrel and Material of wetted parts			
11	(3") 66mm 316 Stainless steel			
12	(3") 66mm Hastelloy (speical)			
13	(4") 89mm 316 Stainless steel			
14	(4") 89mm Hastelloy (speical)			
Code	Diaphragm material			
A	316L Stainless steel		Only for Code 11、 13	
B	HastelloyC—276		Only for Code 12、 14	
C	Tantalum			
Code	Length of insert barrel (mm)			
20	50			
40	100			
60	150			
Code	Flange material and rated pressure			
A11	Galvanized carbon steel, max working pressure 2.5			
1199EFW 11 A 20 A11	← Ordering guide			

Flange mounted remote device

Table 4

1199RFW	Flange mounted remote device			
	Code	Spare hole for washing		
	11	Non		
	21	Yes		
	Code	Diaphragm material		
	A	316L Stainless steel		
	B	HastelloyC—276		
	C	Tantalum		
	Code	Size	Max pressure(38°C)	Material
	A21	1"	2.5MPa	316SST (Recommend)
	B21	1"	2.5MPa	HastelloyC—276
	E21	1"	2.5MPa	Galvanized carbon steel
	A41	1 1/2"	2.5MPa	316SST (Recommend)
	B41	1 1/2"	2.5MPa	HastelloyC—276
	E41	1 1/2"	2.5MPa	Galvanized carbon steel,
	A51	2"	2.5MPa	316SST (Recommend)
	B51	2"	2.5MPa	HastelloyC—276
	E51	2"	2.5MPa	Galvanized carbon steel
	A71	3"	2.5MPa	316SST (Recommend)
	B71	3"	2.5MPa	HastelloyC—276
	E71	3"	2.5MPa	Galvanized carbon steel
	A22	1"	5MPa	316SST (Recommend)
	B22	1"	5MPa	HastelloyC—276
	E22	1"	5MPa	Galvanized carbon steel
A42	1 1/2"	5MPa	316SST (Recommend)	
B42	1 1/2"	5MPa	HastelloyC—276	
E42	1 1/2"	5MPa	Galvanized carbon steel	
A52	2"	5MPa	316SST (Recommend)	
B52	2"	5MPa	HastelloyC—276	
E52	2"	5MPa	Galvanized carbon steel	
A72	3"	5MPa	316SST (Recommend)	
B72	3"	5MPa	HastelloyC—276	
E72	3"	5MPa	Galvanized carbon steel	
1199RFW ##### A E21 ← Ordering guide				

BEMÆRK -

Leveres kun sammenbygget med Klinger 451DP transmitter
 For komplet specifikation af transmittere - se datablad for Klinger 451DP