



Special Features

- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

Applications

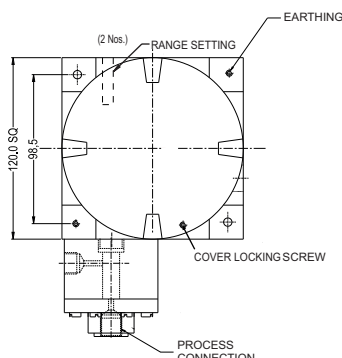
- Filter monitoring, boiler, furnace, railway engines
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, pumps, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability	:	± 0.5% F. S.
Scale unit	:	bar (inside enclosure)
Range	:	Refer "how to order"
Set point	:	Between 20 to 80% F. S. for better performance
Overpressure limit	:	150% of F. S.
Differential	:	Fixed
Mounting	:	Direct / Panel
Process connection	:	1/4" NPT (F)
Enclosure protection	:	W/P to IP 65 & Explosion proof, Class 1, Div. 2, Gas Groups B, C & D (ExII2G, Eex d IIC T6)
Enclosure material	:	Die cast aluminum
Maximum process temperature	:	150 °C
Ambient temperature	:	-10 to 60 °C
Switch	:	1 SPDT, snap action micro switch
Switch rating	:	15 A, 250 VAC, 0.2 A, 220 VDC
High voltage strength	:	0.5 to 0.6 KV between open contacts and 2 KV between contacts and body
Insulation resistance	:	>100 M ohms at 500 V
Sensing element	:	Diaphragm
DP chamber material	:	Aluminum (for range 5 to 600 mbar) AISI 316 SS (for range 3 to 20 mbar & 1 to 25 bar)
Sensing element material	:	AISI 316L SS
Cable gland	:	½"NPT (M) double compression
Scale Accuracy	:	± 1.0% F. S.
Conformity	:	BS 6134

Dimensional Details



Notes : • Drawings are not to scale. • All Dimensions are in mm.

How To Order					Example	
Basic Model					ZDDX	
Range (* With 1 SPDT only)						
Ordering Code	Range (mbar)	Ordering Code	Range (bar)			
W020*	3 to 20	P001	0.1 to 1			
W060	5 to 60	P002	0.2 to 2			
W100	10 to 100	P004	0.4 to 4		XXXX	
W250	25 to 250	P006	0.6 to 6			
W400	40 to 400	P010	1 to 10			
W600	60 to 600	P016	1 to 16			
		P025	2 to 25			
Note : Other equivalent scale units like kg/cm ² , kPa, MPa, psi, mmWC etc can be provided on request.						
DP Chamber Material						
C6	AISI 316 SS				XX	
SL	AISI 316L SS					
Sensing Element Material						
SL	AISI 316L SS (Standard)				XX	
Differential						
F	Fixed (Standard)		A	Adjustable (For 1 SPDT & Only with GPA Switch)		X
Note : 1 SPDT = 3 to 5% FS 2 SPDT = 4.5 to 7.5% FS 1 DPDT = 7.5 to 19% FS						
Adjustable : 1 SPDT = 5 to 12.5% FS						
Type of Micro Switch						
1S	1 SPDT	2S	2 SPDT	1D	1 DPDT (For range code P002 to P025 only)	XX
Micro Switch Rating						XXX
Switch Code	Description	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)		
GPL	Low dead band and fixed	15 A 250 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V	2 A 24 V 0.4 A 110 V 0.2 A 220 V		
GPH	Standard dead band	15 A 250 V	6 A 24V 0.5 A 110 V 0.25 A 220 V	5 A 24 V 0.05 A 110 V 0.03 A 220 V		
GPA*	Adj. differential micro switch	15 A 250 V			(*For 1 SPDT switch only)	
HSS**	Hermetically sealed silver plated	4 A 230 V	3 A 28 V	2 A 24 V	(**For 1 SPDT switch only and for range code P004 to P025 only)	
DPD	DPDT Micro Switch	10 A 125 V	0.2 A 250 V			

How To Order										Example	
Calibration										X	
I	Increasing		D	Decreasing							
Process Connections (* Please mention the flange face and flange finish)										XXX	
		Through Adaptors			Flanged (As per ANSI B 16.5)*						
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)	B09	1/2" 150 #	B21	1" 150 #	B39	2" 150 #		
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)	B10	1/2" 300 #	B22	1" 300 #	B40	2" 300 #		
		4BM	1/2" BSP (M)	B11	1/2" 600 #	B23	1" 600 #	B41	2" 600 #		
		4BF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 1/2" 150 #	B51	3" 150 #		
		4NM	1/2" NPT (M)	B16	3/4" 300 #	B34	1 1/2" 300 #	B52	3" 300 #		
		4NF	1/2" NPT (F)	B17	3/4" 600 #	B35	1 1/2" 600 #	B53	3" 600 #		
Cable Entry										XXX	
DTE	3/4" ET duel entry with one entry plugged			ECB	3/4" ET DCCG brass		DCS	3/4" ET DCCG with one entry plugged			
DNP	1/2" NPT (F) with one entry plugged			NPB	1/2"NPT DCCG brass		DPS	1/2" NPT DCCG with one entry plugged			
ECS	3/4" ET DCCG SS			ETE	3/4" ET		2NP	1/2" NPT (F)			
							NPS	1/2"NPT DCCG SS			
Options											
PW	Calibration certificate			WM	Wall mounting bracket (steel plated)						
SX	SS Tag plate			PM	2" Pipe mounting						
TF	Conformity as per NACE Standard			JU	2" Pipe/yoke mounting bracket & 'U' Clamp (AISI 304 SS)						
GH	Material test certificates***			FN	2" Pipe/yoke mounting bracket & 'U' Clamp (AISI 316 SS)						
SG	Oxygen service			PU	Calibration certificate traceable to national/international standards						
Accessories (refer individual datasheet for complete specifications)										XX	
EB	Cooling tower		ED	Over load protector			EG	Snubber			
EC	Gauge cock		NV4	Needle valve			EH	Syphon			
DS	Diaphragm seals		EL	Cooling capillary			VM	Manifolds			

***Material test certificates will be provided for wetted parts only with chemical composition testing.

For others, please consult factory.

Ordering Example: ZDDX . XXXX . XX . XX . X . XX . XXX . X . XXX . XXX . XX

Note : In 2 SPDT Instruments, there may be an error of max $\pm 2\%$ F. S. between Micro Switches at the set point.