

Special Features

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

Applications

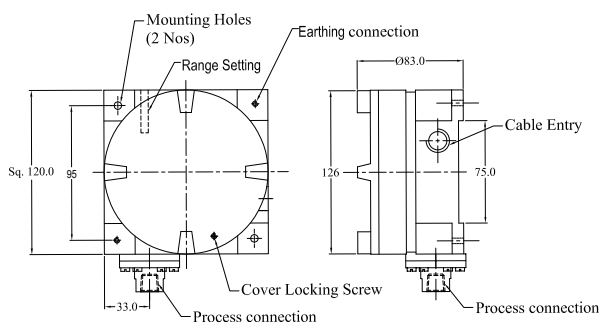
- Boiler, furnace
- Oil & gas, conventional & nuclear power
- Plants, mines, iron & steel plants, refineries,
- Petrochemical, food & pharmaceutical,
- Chemical & fertilizer, cement,
- Glass, paint, pulp & paper, marine industries and other hazardous applications

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
Over pressure limit	:	150% of F. S.
Differential	:	Fixed
Mounting	:	Bottom / 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
Top Chamber	:	Mild Steel (plated)
Bottom Chamber	:	AISI 316 SS
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										ZPDX		
Range (*With 1 SPDT only)										XXXX		
Ordering Code	Range (mbar)	Ordering Code	Range (mbar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)	Ordering Code	Range (bar)			
WC20*	-20 to 20	W250	25 to 250	P001	0.1 to 1	P016	1 to 16	C005	-0.5 to 0.5			
WC40	-40 to 40	W400	40 to 400	P002	0.2 to 2	P025	2 to 25	C011	-1 to 1			
W020	3 to 20	W600	60 to 600	P004	0.4 to 4	P032	2 to 32	C012	-1 to 2			
W060	5 to 60			P006	0.6 to 6	P040	2 to 40	C014	-1 to 4			
W100	10 to 100			P010	1 to 10			V001	-1 to 0			
Note : Other equivalent scale units like kg/cm ² , kPa, MPa, psi, mmWC etc can be provided on request.												
Chamber Material (Top)										XX		
MS	Mild Steel - plated (Standard)			SS	AISI 304 SS		C6	AISI 316 SS			SL	AISI 316L SS
Chamber Material (Bottom)										XX		
C6	AISI 316 SS (standard)			MO	Monel							
SL	AISI 316L SS			HC	Hastelloy C							
Sensing Element Material										XX		
SL	AISI 316L SS (standard)			TF	AISI 316L SS with PTFE Protection							
HC	Hastelloy C			MO	Monel							
Differential										X		
F	Fixed (standard)			A	Adjustable (Only with GPA Switch)							
Note : Fixed : 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										XX		
1S	1 SPDT		2S	2 SPDT		1D	1 DPDT (For range code P002 to P040 only)					
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								
HSS**	Hermetically sealed silver plated			4 A 230 V		3 A 28 V		2 A 24 V				
DPD	DPDT Micro Switch			10 A 125 V		0.2 A 250 V						
										(*For 1 SPDT switch only)		
										(**For 1 SPDT switch only and for range code P004 to P040 only)		

How To Order										Example
Calibration										X
I	Increasing			D	Decreasing					
Process Connections (* Please mention the flange face and flange finish)										
		Through Adaptors			Flanged (As per ANSI B 16.5)*					XXX
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 dual entry with one entry plugged			ECS	3/4" ET DCCG SS	DCS	3/4" ET DCCG with one entry plugged			
DNP	1/2" NPT (F) with one entry plugged			NPS	1/2"NPT DCCG SS	DPS	1/2" NPT DCCG with one entry plugged			
2NP	1/2" NPT (F)			ETE	3/4" ET	ECB	3/4" ET DCCG BRASS			
						NPB	1/2"NPT DCCG BRASS			
Options										XX
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)										
EB	Cooling tower	ED	Overload 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: ZPDX . 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.