

## Special Features

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

## Applications

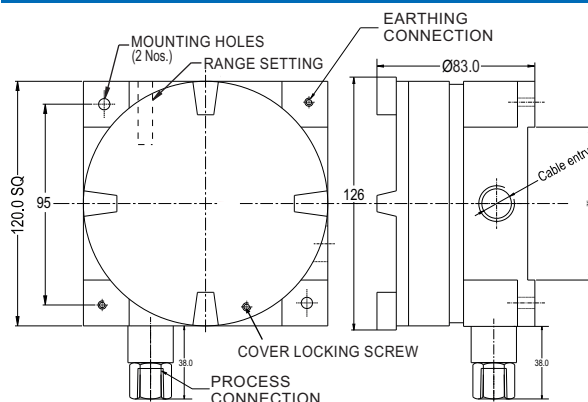
- Boiler, furnace
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, hydraulic, food & pharmaceutical, chemical & fertilizer, cement, glass, paint, pulp & paper, marine industries and other hazardous applications.

## Specifications

### Standard Version

Repeatability	:	± 1% F. S.
Accuracy	:	± 1.0% 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	:	Piston
Wetted parts	:	AISI 316 SS
Cable gland	:	½"NPT (M) double compression
Conformity	:	BS 6134

## Dimensional Details



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

How To Order						Example
<b>Basic Model</b>						ZPPX
<b>Range</b>						XXXX
<b>Ordering Code</b>	<b>Range (bar)</b>	<b>Ordering Code</b>	<b>Range (bar)</b>	<b>Ordering Code</b>	<b>Range (bar)</b>	
P060	5 to 60	P160	10 to 160	P400	40 to 400	
P100	10 to 100	P250	10 to 250			
Note : Other equivalent scale units like kg/cm <sup>2</sup> , kPa, MPa, psi, mmWC etc can be provided on request.						
<b>Wetted Parts</b>						XX
C6	AISI 316 SS (standard)	SL	AISI 316L SS			
<b>Differential</b>						X
F	Fixed (standard)	A	Adjustable (Only with GPA Switch)			
<b>Note :</b> Fixed : 1 SPDT = 3 to 5% F.S. 2 SPDT = 4.5 to 7.5% F.S. Adjustable : 1 SPDT = 5 to 12.5% FS						
<b>Type of Micro Switch</b>						XX
1S	1 SPDT	2S	2 SPDT			
<b>Micro Switch Rating</b>						XXX
<b>Switch Code</b>	<b>Description</b>	<b>AC Rating</b>	<b>AC Rating (Resistive)</b>	<b>DC Rating (Inductive)</b>		
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				

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															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				AT	ATEX Conformity Certificate																			
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: ZPPX . XXXX . 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.