



Special Features

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

Applications

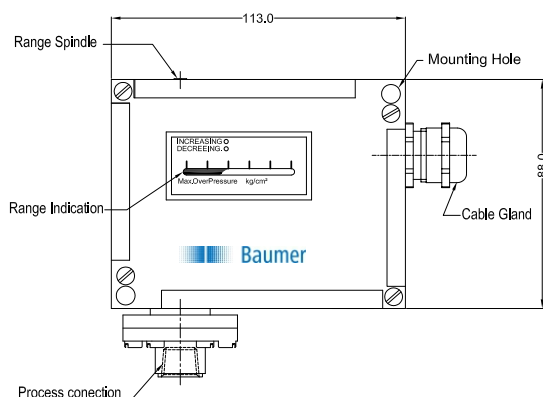
- Boiler, furnace, railway engines.
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

Repeatability	:	± 0.5% F. S.
Accuracy	:	± 1.0% F. S.
Scale unit	:	bar
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 66
Enclosure material	:	Pressure 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 entry	:	PG 13.5 mm
Scale Accuracy	:	± 1.0% F. S.
Conformity	:	BS 6134

Dimensional Details



- Note :
- Drawings are not to scale.
 - All Dimensions are in mm.

How To Order										Example		
Basic Model										ZPDW		
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					
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.										XX		
Chamber Material (Top)												
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)											
Note : Fixed : 1 SPDT = 3 to 5% F.S. 2 SPDT = 4.5 to 7.5% F.S. 1 DPDT = 7.5 to 19% F.S. (For Range code P002 to P040 only)												
A	Adjustable											
Note : Adjustable : 1 SPDT = 5 to 12.5% F.S. 2 SPDT = 7.5 to 19% F.S. (For Range code P002 to P040 only)										XX		
Type of Micro Switch												
1S	1 SPDT											
2S	2 SPDT (For Range code P002 to P040 and for Adjustable differential only)											
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			(*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 P040 only)					
DPD	DPDT Micro Switch			10 A 125 V	0.2 A 250 V							
GP1***	Standard dead band			5 A 250 V			(***)For 2 SPDT Adjustable Differential switch 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					
DIN	DIN Connection*		ETE	3/4" ET		ECB	3/4" ET DCCG Brass		4PN		4 PIN Connection*				
PGE	PG 13.5 (Std)		2NP	1/2" NPT (F)		NPB	1/2"NPT DCCG Brass		7PN		7 PIN Connection				
ECS	3/4" ET DCCG SS		NPS	1/2"NPT DCCG SS											
* For 1 SPDT															
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: ZPDW . 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.

Use common note as per other data sheets like specification and dimensions given in this product catalogue