


Special Features

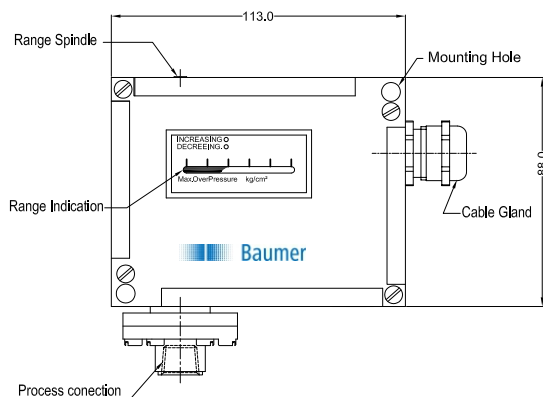
- High accuracy & repeatability
- SS wetted parts
- Set point locking
- Highly reliable
- Diaphragm seals (optional)

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)

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

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 Note : Other equivalent scale units like kg/cm², kPa, MPa, psi, mmWC etc can be provided on request.

Chamber Material (Top)

MS	Mild Steel - plated (Standard)	SS	AISI 304 SS	C6	AISI 316 SS	SL	AISI 316L SS
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Chamber Material (Bottom)

C6	AISI 316 SS (Standard)	MO	Monel
SL	AISI 316L SS	HC	Hastelloy C

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Sensing Element Material

SL	AISI 316L SS (Standard)	TF	AISI 316L SS WITH PTFE PROTECTION
HC	HASTELLOY C	MO	MONEL

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Differential
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)

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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)

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)

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Micro Switch Rating

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	
GP1***	Standard dead band	5 A 250 V		

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(*For 1 SPDT switch only)

(**For 1 SPDT switch only and for range code P004 to P040 only)

(***)For 2 SPDT Adjustable Differential switch only)

How To Order		Example	
Calibration			
I	Increasing	D	Decreasing
Process Connections (* Please mention the flange face and flange finish)			
		Through Adaptors	Flanged (As per ANSI B 16.5)*
2NM	1/4" NPT (M)	3BM	3/8" BSP (M)
2NF	1/4" NPT (F) (Standard)	3BF	3/8" BSP (F)
		4BM	1/2" BSP (M)
		4BF	1/2" BSP (F)
		4NM	1/2" NPT (M)
		4NF	1/2" NPT (F)
B09	1/2" 150 #	B21	1" 150 #
B10	1/2" 300 #	B22	1" 300 #
B11	1/2" 600 #	B23	1" 600 #
B15	3/4" 150 #	B33	1 1/2" 150 #
B16	3/4" 300 #	B34	1 1/2" 300 #
B17	3/4" 600 #	B35	1 1/2" 600 #
B39	2" 150 #	B40	2" 300 #
		B41	2" 600 #
		B51	3" 150 #
		B52	3" 300 #
		B53	3" 600 #
Cable Entry			
DIN	DIN Connection*	ETE	3/4" ET
PGE	PG 13.5 (Std)	2NP	1/2" NPT (F)
ECS	3/4" ET DCCG SS	NPS	1/2" NPT DCCG SS
* For 1 SPDT			
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)			
EB	Cooling tower	ED	Overload protector
EC	Gauge cock	NV4	Needle valve
DS	Diaphragm seals	EL	Cooling capillary
		EG	Snubber
		EH	Syphon
		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 . X . 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

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .
Modifications may take place and materials specified may be replaced by others without prior notice.