



Features

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

Applications

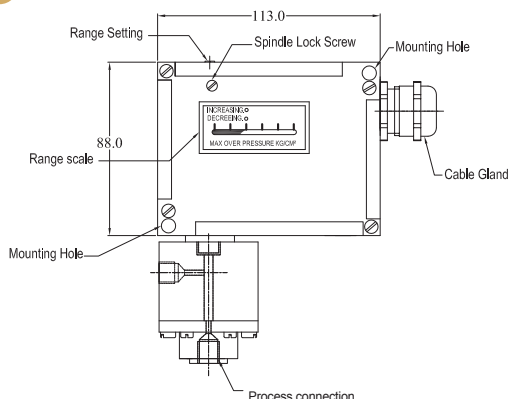
- Filter monitoring, boiler, furnace, railway engines
- Oil & gas, conventional & nuclear power plants, mines, iron & steel plants, refineries, petrochemical, food & pharmaceutical, chemical & fertilizer, cement, textile, pumps, glass, paint, pulp & paper, marine industries.

Specifications

Standard Version

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	:	PG 13.5 mm
Scale Accuracy	:	± 1.0% F. S.
Repeatability	:	± 0.5% F. S.
Scale unit	:	bar
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 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
Conformity	:	BS 6134

Dimensional Details



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

Note: Design and Specifications subject to change without prior notice.

How To Order - Ordering Example : 2211DPS : DDT.P001.AL.SSL.FXD.1S.GPL.I.4NPF.PGE.C5

Basic Model 2211DPS : DDT					
Range					
Code	Range (mbar)	DP Chamber Material	Code	Range (bar)	DP Chamber Material
W020	3 to 20	AISI 316 SS	P001	0.1 to 1	AISI 316 SS
W060	5 to 60	Aluminum	P002	0.2 to 2	AISI 316 SS
W100	10 to 100	Aluminum	P004	0.4 to 4	AISI 316 SS
W250	25 to 250	Aluminum	P006	0.6 to 6	AISI 316 SS
W400	40 to 400	Aluminum	P010	1 to 10	AISI 316 SS
W600	60 to 600	Aluminum	P016	1 to 16	AISI 316 SS
			P025	2 to 25	AISI 316 SS

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

Code	DP Chamber Material	Code	DP Chamber Material
SS	AISI 316 SS (Standard for Range 3 to 20 mbar & 1 to 25 bar only)	SSL	AISI 316L SS

Code	Sensing Element Material
SSL	AISI 316L SS (Standard)

Code	Differential	Code	Differential
FXD	Fixed (standard) Note : 1 SPDT = 3 to 5% FS 2 SPDT = 4.5 to 7.5% FS 1 DPDT = 4.5 to 7.5% FS	ADJ	Adjustable (for 1 SPDT only) Note : 1 SPDT = 5 to 12.5% F.S.

Code	Type of Micro Switch	Code	Type of Micro Switch	Code	Type of Micro Switch
1S	1 SPDT	2S	2 SPDT	1D	1 DPDT

Micro Switch Rating						
Code	Description	AC Rating	AC Rating (Resistive)	DC Rating (Inductive)	Available on 1 SPDT	Available on 2 SPDT
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	Fixed differential of DDT	Fixed differential of DDT
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	Fixed differential of DDT	Fixed differential of DDT
GPA	Adj. differential micro Switch	15 A 250 V			Adj.differential of DDT	NA
GPG	Gold plated contact	1 A 125 V	0.5 A 28 V		Fixed differential of DDT	Fixed differential of DDT
SES	Environmentally sealed silver contact	15 A 250 V	0.4 A 125 V		Fixed differential of DDT	Fixed differential of DDT
SEG	Environmentally sealed gold contact		1 A 28 V		Fixed differential of DDT	Fixed differential of DDT
HSS	Hermetically sealed silver plated	4 A 230 V	3 A 28 V	2 A 24 V	Fixed differential of DDT	Fixed differential of DDT
HSG	Hermetically sealed gold plated	1 A 125 V	NA	NA	Fixed differential of DDT	Fixed differential of DDT
HDC	High DC rating	10 A 125 V	10 A 125 V	6 A 125 V	Fixed differential of DDT	Fixed differential of DDT
DPD	DPDT Micro switch	10 A 125 V	0.2 A 250 V		Fixed & adjustable differential of DDT	NA

Note: Design and Specifications subject to change without prior notice.

Code	Calibration	Code	Calibration
I	Increasing	D	Decreasing

Process Connections (* Please mention the flange face and flange finish)									
Code	Process Connections	Code	Process Connections	Code	Process Connections				
			Through Adaptors		Flanged (As per ANSI B 16.5)*				
4NPM	1/4" NPT (M)	38BSM	3/8" BSP (M)	B09	1/2" 150 #	B21	1" 150 #	B39	2" 150 #
4NPF	1/4" NPT (F) (Standard)	38BSF	3/8" BSP (F)	B10	1/2" 300 #	B22	1" 300 #	B40	2" 300 #
		2BSM	1/2" BSP (M)	B11	1/2" 600 #	B23	1" 600 #	B41	2" 600 #
		2BSF	1/2" BSP (F)	B15	3/4" 150 #	B33	1 1/2" 150 #	B51	3" 150 #
		2NPM	1/2" NPT (M)	B16	3/4" 300 #	B34	1 1/2" 300 #	B52	3" 300 #
		2NPF	1/2" NPT (F)	B17	3/4" 600 #	B35	1 1/2" 600 #	B53	3" 600 #

Code	Cable Entry	Code	Cable Entry	Code	Cable Entry	Code	Cable Entry
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

Code	Options	Code	Options
C5	Calibration certificate	WN	Wall mounting bracket (steel plated)
ST	SS Tag plate	PM	2" Pipe mounting
CN	Conformity as per NACE Standard	JU	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS)
MTC	Material test certificates***	FN	2" Pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS)
OS	Oxygen service	CT	Calibration certificate traceable to national / international standards

***Material test certificates will be provided for wetted parts only with chemical composition testing.
For others, please consult factory.

Accessories (Refer individual datasheet for complete specifications)			
Code	Accessories	Code	Accessories
CT	Cooling tower	GS	Overload protector
GC	Gauge cock	NV	Needle valve
DS	Diaphragm seals	CC	Cooling capillary
		PD	Snubber
		SYP	Syphon
		MF	Manifolds

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