

Model : **IPSH** (Dry Case)

LFIPSH (Liquid Filled Case)

Features

- Combination of indication and switching
- Choice of electrical contacts and microswitch
- One or two contacts available
- Switch setting throughout the range externally
- High repeatability and low hysteresis
- Weatherproof or Flameproof housing
- Mil connector provided optionally.



Specifications

Ranges

Dial	100mm / 150mm, aluminium, white background, black markings
Case	SS 304 / SS 316 with bayonet bezel (Weatherproof) Die Cast Aluminium (Flameproof)
Protection	Weatherproof to IP - 68 (IS:13947 part I / IEC:60529) Flameproof to IIA, IIB (equivalent to NEC Cl. 1, Div. 2, Gr. C & D)
Window	Safety glass
Bourdon	SS316, SS316 Ti, SS316L, Monel
Socket	22 mm Square in SS316, SS316L, SS316 Ti, Monel
Movement	Brass / SS304 / SS316
Connection	1/2" NPT (M) as standard (other optional)
Range	Upto 1600 kg /cm ² with minimum span of 4 kg/cm ² as shown in the Table
Accuracy	±1% FSD for indication ±2% FSD for switching
Over range	As per EN 837
Blow out disc	Provided
Zero reset	Provided (Micrometer Pointer)
Temperature suitability	Ambient (-)20°C to 60°C, Media 100°C
Temperature Effect	Within ±0.4% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
Contacts	1SPST, single, normally open, closing on rise in pressure or vice versa, rated 30VA @ 230V AC 2 SPST, two contacts, independently adjustable, one normally open, other normally closed or both normally open or both normally closed, rated 30VA @ 230V AC 1SPDT, single microswitch, adjustable over entire range, rated 5 amp @ 230V AC (3A @ 28 VDC) 2SPDT, double microswitch, independently adjustable over entire range, rated 5 amp @ 230V AC (3A @ 28 VDC)
Optional	Relay for the contact assembly to suit 5 amp @ 230V AC, separately mounted.

Gauge	bar, kg/cm ²	Least count
Compound	(-)1 to 3	0.10
	(-) 1 to 5	0.10
	(-)1 to 9	0.20
	(-)1 to 15	0.50
	(-)1 to 24	0.50
Pressure Gauge ('C' shaped Bourdon)	(-)1 to 39	1.0
	0 to 4	0.10
	0 to 6	0.10
	0 to 10	0.20
	0 to 16	0.50
	0 to 25	0.50
Pressure Gauge (Coil type Bourdon)	0 to 40	1.0
	0 to 60	1.0
	0 to 100	2.0
	0 to 160	5.0
	0 to 250	5.0
	0 to 400	10.0
Pressure Gauge (Coil type Bourdon)	0 to 600	10.0
	0 to 800	20.0
	0 to 1000	20.0
	0 to 1600	50.0

For range other than above please contact our design dept.

Benefits of Microswitch type over Electrical Contact assembly

- Microswitch is rated 5 amp @ 230 VAC (3A @ 28 VDC). Hence use of relay is not required
- Microswitch offered as a combination of movement and switch is procured from Internationally reputed vendor.
- Microswitch assembly provides better switching accuracy and repeatability
- Compact design.

Notes

- 1) Electrical contact assembly is not offered in flameproof version.
- 2) Flameproof version available only in Die cast aluminium case.
- 3) Flameproof version available with bottom entry surface mounting only
- 4) Pressure switch can also be offered with chemical seal in weatherproof and flameproof cases.
- 5) Surface mounted flameproof housing with chemical seal pressure gauge is available with capillary.
- 6) Blow out disc not applicable for flameproof case

Indicating Pressure Switches

GAUGES BOURDON

F R A N C E

Model : **IPSH** (Dry Case)

LFIPSH (Liquid Filled Case)

Ordering Information

MODEL



BASIC MODEL CODE

IPSH Dry Case
LFIPSH Liquid Filled Case

MOUNTING

V Bottom Entry, Local Mounting
S Bottom Entry, Surface Mounting
Y Bottom Entry, 2" Pipe Mounting
C Back Entry, Local Mounting
P Back Entry, Flush Panel Mounting

DIAL SIZE

100 100 mm **150** 150 mm

CASE

S4S SS 304
S6S SS 316
ALM Die Cast Aluminium

BOURDON

S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

SOCKET

S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

MOVEMENT

S4S SS 304
S6S SS 316
BRS Brass

OPTION

1DT 1SPDT Micro Switch
2DT 2SPDT Micro Switch
1ST 1SPST Electric Contact
2ST 2SPST Electric Contact
FAB Flame Proof Case - IIA/IIB
F2C Flame Proof Case - IIC
FAT Flame Proof Case - IIC (ATEX)
BGS Built In Gauge Saver
BOB Blow out disc at back
BSN Built In Snubber
CLB Colour Band
CEM CE marking
TRO Transformer Oil filled Case
DUS Dual Scale
FLG Flanged Process Conn
NAC NACE
OXY O2 Cleaning
OR5 150% FSD Over range
VCP Vacuum Protection
CSU Chemical Seal
ACC Accessory
XXX Other (Specify)

UNIT

KSC kg/cm2(g)
BAR bar(g)
PSI psi(g)
KPA kPa(g)
MPA Mpa(g)
MBR mbar(g)
MMW mm WC(g)
CMW cm WC(g)
MWC m WC(g)
INW inch WC(g)
MMH mm Hg(g)
CMH cm Hg(g)
INH inch Hg(g)
XXX Other (Please specify)

RANGE

Please select from Table

CONNECTION

Conn	Code	Size	Code	Type	Code	Male/ Female	Code
Thread	T	1/4"	06	NPS	NS	Male	M
		3/8"	10	NPT	NT	Female	F
		1/2"	15	BSP	BP		
		3/4"	20	BSPT	BT		
		1"	25	JIS-PF	PF		
		M20	M20	JIS-PT	PT		
				Gas	GS		
				R	RR		
		Rp	RP				
		Pitch 1.5	C				

e.g. For 1/2"NPT(M), Code: **T15NTM**
For M20x1.5 (F), Code: **TM20CF**

FLG - FLANGE

Conn	Code	Size	Code	Rating#	Code	Facing	Code
Flange	F	1/2"	15	150	A	RF	RF
		3/4"	20	300	B	FF	FF
		1"	25	600	C	RTJ	RJ
		1-1/2"	40	900	D	LT	LT
		2"	50	1500	E	LG	LG
		3"	80	2500	F		

e.g. For 40 NB 300# RF flange, Model Code: **F40BRF**

Sample model Code: **IPSH-V-150-S4S-S6S-S6S-S4S-T15NTM-(0-10)-BAR-2DT**