



SPECIAL FEATURES

CE APPROVED ELECTRICAL CONTACTS
CASE & MEASURING SYSTEM IN SS
STATIC PRESSURE UPTO 200 kg/cm²
SINGLE SIDE STATIC PRESSURE SUSTAINABLE
DRY OR LIQUID FILLED
ACCURACY CLASS 1.6
STANDARD FOLLOWED IN GENERAL EN 837 - 3

APPLICATIONS

CHEMICALS / REFINERY / NUCLEAR / AEROSPACE / FERTILIZER
/ PETROCHEMICALS / PHARMACEUTICAL / POWER / CEMENT /
SUGAR / FOOD & BEVERAGES / PULP / PAPER & ALLIED
PROCESS INDUSTRIES.

STANDARD VERSION

NOMINAL SIZE : 100 & 150 mm

Accuracy class	1,6
Scale range	0.... 60 mbar to 16 bar or other equivalent units of pressure & vacuum
Ambient temperature	- 25 to + 65°C
Process temperature	Max 100°C
Static pressure	safe upto 100 bar not depending on scale range

☞ Static Pressure up to 250 bar on request.

Case & Bezel	AISI 304 SS (Bayonet type)
Diaphragm	AISI 316L SS (Double diaphragm)
Nuts & bolts	AISI 304 SS
Process connection	1/4" NPT(F) x 2 Nos.
Seal chamber	AISI 316 SS
Movement	AISI 304 SS with internal limits stops for min. & max. pressure
Protection	IP 65 - EN 60 529 / IEC 529
Dial	Aluminium, black graduation on white background
Pointer	Aluminium, black coloured, micrometer zero adjustable
Window	Safety glass
Case gasket	Neoprene rubber
Element chamber filling	Silicon oil (Others on request)
Diaphragm sealing gasket	Viton
Scale amplitude	270° for ranges \geq 160 mbar ; 180° for range 60 & 100 mbar
Temperature error :-	When temperature of the pressure element deviates from +20 °C, Rising temperature: +0,6% / 10 °C of true scale value Falling temperature: -0,6% / 10 °C of true scale value

GLYCERINE FILLED VERSION (OPTION PY)

Accuracy class	1.6
Ambient temperature	Maximum 65°C
Process temperature	+15°C / +100°C max
Window	Plexi glass
Dampening liquids	Glycerine 98%
Other features	Refer specification of standard version



HOW TO ORDER

[It is recommended to use manifolds along with Differential Pressure Gauges for better performance and safety.]

BASIC MODEL

CODE			Example
	F	H	P-14
NOMINAL SIZE	100 mm	150 mm	X
TYPE OF MOUNTING			
1	WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY		
2	DIRECT BOTTOM ENTRY		
6	2" PIPE / YOKE MOUNTING WITH BOTTOM ENTRY		X
12	CENTER BACK ENTRY WITH FRONT FLANGE		
GAUGE CONNECTION (Though adaptors)			
4BM	1/4" NPT (M) x 1/2" BSP (M) X 2 Nos.	4BF	1/4" NPT (M) x 1/2" BSP (F) X 2 Nos.
2NF	1/4" NPT (F) (Standard)*		XXX
4NM	1/4" NPT (M) x 1/2" NPT (M) X 2 Nos.	4NF	1/4" NPT (M) x 1/2" NPT (F) X 2 Nos.
* These female connections are directly provided on chamber. Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.			
DIAPHRAGM			
UJ	AISI 316L SS (Standard)	UM	MONEL
SEAL CHAMBER			
RB	AISI 316 SS (Standard)	RD	MONEL
FILLING FLUIDS			
UX	SILICON DC 200 [-40 TO 205 °C / -40 TO 401 °F] (Standard)		XX
RANGE			
REFER RANGE TABLE			0 - 2 bar
OPTIONS			
PS	AISI 316 SS CASE & BEZEL	TF	TESTED TO NACE STANDARDS
PY	DAMPENING LIQUID GLYCERINE	PU	CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS
QA	DAMPENING LIQUID SILICON OIL**	PW	FIVE POINT CALIBRATION CERTIFICATE
RH	CUSTOM DESIGNED DIAL	GH	MATERIAL TEST CERTIFICATES#
SW	DIAL TAG MARKING	JU	2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 304 SS)
SX	SS TAG PLATE	FN	2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
SJ	MAXIMUM READING POINTER WITH PLEXI GLASS (FOR DRY VERSION)*		
* For ranges 2.5 kg/cm ² and above. ** Gasket & Plug of NBR. Consult factory for Viton. # MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING. FOR OTHERS, PLEASE CONSULT FACTORY.			
ELECTRIC CONTACTS (C € APPROVED)			
(FOR DRY VERSION, WITH INGRESS PROTECTION UP TO IP 55 & POLY CARBONATE DOME AS A WINDOW.)			
A) SINGLE INSULATED MAGNETIC SNAP ACTION TYPE* (230 V AC, 1 Amp.)(48 V DC, 0.5 Amp.) (AVAILABLE FOR 1 kg/cm ² & ABOVE)		B) INDUCTIVE TYPE (220 V AC, 0.4 Amp.) (AVAILABLE FOR 1000 mmWC & ABOVE)	
RJ	Single; NORMALLY CLOSED (1 NC)	YW	Single; NORMALLY OPEN (1 NO)
RK	Double; NORMALLY CLOSED + NORMALLY OPEN (1 NC +1 NO)	YV	Single; NORMALLY CLOSED (1 NC)
RL	Single; NORMALLY OPEN (1 NO)	YX	Double; NORMALLY CLOSED + NORMALLY OPEN (1 NC +1 NO)
RM	Double; NORMALLY OPEN + NORMALLY CLOSED (1 NO + 1 NC)	YY	Double; NORMALLY OPEN (BOTH NO)
RN	Double; NORMALLY CLOSED (BOTH NC)	YZ	Double; NORMALLY CLOSED (BOTH NC)
RO	Double; NORMALLY OPEN (BOTH NO)	ZA	Double; NORMALLY OPEN + NORMALLY CLOSED (1 NO + 1 NC)
RU	BOOSTER WITH RELAY FOR CURRENT UP TO 5 Amp.		
RA	SPDT		
RC	DPDT		
* FOR DOUBLE INSULATED ELECTRICAL CONTACTS, CONSULT FACTORY FOR PRICE & DELIVERY.			
Ordering Example: P-14 - X - X - XXX - XX - XX - XX - 0/2 bar - XX - XX			
FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.			
☆ FOR DIAPHRAGM SEALS, REFER INDIVIDUAL DATA SHEETS. (THE CAPILLARY LENGTH SHALL BE MAXIMUM UP TO 3 METERS & RANGE SHALL BE ABOVE 1 kg/cm ² .)			