



PHENOL CASE PRESSURE GAUGE (4 1/2") SOLID FRONT

P-05



SPECIAL FEATURES

PHENOL CASE WITH SS MEASURING SYSTEM

WETTED PARTS AISI 316L STAINLESS STEEL

ACCURACY $\pm 0.5\%$ F.S.

SOLID FRONT DESIGN FEATURES BAFFLE WALL INTERPOSED

BETWEEN THE SENSING SYSTEM, THE WINDOW AND A PRESSURE RELIEVING BACK FOR INCREASED SAFETY

STANDARD FOLLOWED ANSI/ASME - B 40.1

APPLICATIONS

SUITABLE FOR HIGH PRESSURE GAS, CORROSIVE / HAZARDOUS ENVIRONMENT THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.

STANDARD VERSION

NOMINAL SIZE : 115 mm (4 1/2")

Accuracy class	0,5 (As per ANSI B40.1)
Scale ranges	0...0,6 to 0...1600bar or equivalent other units of pressure or vacuum
Ambient temperature	- 20°C to + 65°C
Process temperature	Max 200°C
Operating pressure range	75 % of scale value
Over pressure limit	≤ 100 bar : 125% of Max. scale value > 100 to ≤ 600 bar : 115% of Max. scale value > 600 to ≤ 1600 bar : 110% of Max. scale value
Case & Bezel	Phenol
Bourdon	AISI 316L SS (-1 to 60 bar C type ; 100 to 1600 bar helical type)
Socket	AISI 316L SS
Movement	AISI 304 SS
Joints	Tig argon arc welding
Protection	IP 65 - EN 60529 / IEC 529
Dial	Aluminium, black graduation on white background
Pointer	Aluminium, black coloured, micrometer zero adjustable
Window	Shatterproof / safety glass
Blow off disc	Phenol
Gasket	Neoprene

DRY BUT FILLABLE VERSION (OPTION FG)

Fillable dampening liquid	Glycerine 98%
Process temperature	Maximum 200°C

GLYCERINE FILLED VERSION (OPTION PY)

Accuracy class	1.0
Ambient temperature	Maximum 65°C
Process temperature	Maximum 100°C
Dampening liquids	Glycerine 98% (Others available as option)

HOW TO ORDER

BASIC MODEL CODE

Example

P-05

NOMINAL SIZE

X

TYPE OF MOUNTING

1 WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY

X

GAUGE CONNECTION

4BM 1/2" BSP (M) STANDARD
2NM 1/4" NPT (M) STANDARD
4NM 1/2" NPT (M) STANDARD

XXX

Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.

RANGE

REFER RANGE TABLE

0-10 bar

OPTIONAL EXTRAS

TI MONEL BOURDON & SOCKET (MONEL VERSION)**
PW FIVE POINT CALIBRATION CERTIFICATE
PU CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/ INTERNATIONAL STANDARDS
RH CUSTOM DESIGNED DIAL
SG OXYGEN SERVICE (FOR DRY VERSION)
SW DIAL TAG MARKING
SX SS TAG PLATE
TB HELIUM LEAK TEST
RQ ENCLOSURE PROTECTION IP 65
RR ENCLOSURE PROTECTION IP 66
ZL OVER RANGE PROTECTION 150% OF F. S.
RW PLEXI GLASS

TF TESTED TO NACE STANDARDS
FS FILLABLE LIQUID SILICON OIL*
FG FILLABLE LIQUID GLYCERINE
SF MOVEMENT WITH DAMPENING JELLY
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)
FL INTEGRAL DAMPENING SCREW (MONEL)**
PZ DAMPENING LIQUID MINERAL LIQUID FILLED
PX DAMPENING LIQUID FLOUROLUBE FILLED
PY DAMPENING LIQUID GLYCERINE FILLED
QA DAMPENING LIQUID SILICON OIL FILLED*
GH MATERIAL TEST CERTIFICATES***
SD AISI 316 SS MOVEMENT

XX

*Gasket & Filling plug of NBR. Consult factory for Viton.

**INTEGRAL DAMPENING SCREW WILL BE IN MONEL IF ORDERED. REFER OPTION FL.

*** MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING. FOR OTHERS, PLEASE CONSULT FACTORY.

Ordering Example: P-05 - X - X - XXX - 0/10 bar - XX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.