

Pressure Gauges

Series: GPG

Srl.	Products	Model
A)	Pressure Gauges (Bourdon Sensing)	GPGB
1	Pressure Gauge-Bourdon Sensing (Dry Case)	GPGB-SD
2	Pressure Gauge-Bourdon Sensing (Liquid filled Case)	GPGB-SL
3	Pressure Gauge-Bourdon Sensing-Solid Front (Dry Case)	GPGB-SDSF
4	Pressure Gauge-Bourdon Sensing-Solid Front (Liquid filled Case)	GPGB-SLSF
5	Pressure Gauge-Bourdon Sensing (Dry Case)-Small Size	GPGB-SDS
6	Pressure Gauge-Bourdon Sensing (Liquid filled Case)-Small Size	GPGB-SLS
7	Receiver Gauge-Bourdon Sensing (Dry Case)	GPGB-RD
8	Absolute Pressure Gauge-Bourdon Sensing (Dry Case)	GPGB-AD
9	Master Pressure Gauge-Bourdon Sensing (Dry Case)	GPGB-MD
B)	Pressure Gauges (Diaphragm Sensing)	GPGD
1	Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-SD
2	Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-SL
3	Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)	GPGD-SDSF
4	Pressure Gauge-Diaphragm Sensing-Solid Front (Liquid filled Case)	GPGD-SLSF
5	Capsule Pressure Gauge-Diaphragm Sensing (Dry Case)-Compact	GPGD-CDC
6	Capsule Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)-Compact	GPGD-CDCSF
7	Capsule Pressure Gauge-Diaphragm Sensing (Dry Case)-Heavy Duty	GPGD-CDH
8	Capsule Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)-Heavy Duty	GPGD-CDHSF
9	Hygiene Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-HD
10	Hygiene Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-HL
11	Absolute Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-AD
12	Absolute Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-AL
13	Absolute Pressure Gauge-Bellow Sensing (Dry Case)	GPGB-AD
14	Mud Pressure Gauge-Diaphragm Sensing (Liquid filled case)	GPGD-ML

Note: Part of our development programs, product specifications, photos, drawings, dimensions and other information provided in catalogue/website may change without any notice.

A) Pressure Gauges (Bourdon Sensing) General Specifications

Srl.	Products	Model
1	Pressure Gauge-Bourdon Sensing (Dry Case)	GPGB-SD
2	Pressure Gauge-Bourdon Sensing (Liquid filled Case)	GPGB-SL
3	Pressure Gauge-Bourdon Sensing-Solid Front (Dry Case)	GPGB-SDSF
4	Pressure Gauge-Bourdon Sensing-Solid Front (Liquid filled Case)	GPGB-SLSF

Case Type	: Dry, Liquid filled, Solid front-Dry, Solid front-Liquid filled
Case Material	: SS304, SS316 with bayonet bezel, Die cast Aluminium, Phenolic with screwed bezel
Dial Size	: 100mm(4"), 125mm(4.5"), 150mm(6"), 250mm(10")
Dial Material	: Aluminum dial with black marking on white background.
Pointer	: Light weight balanced Aluminium with Micrometer pointer for zero reset.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68
Bourdon	: SS316, SS316Ti, SS316L, Monel
Socket	: SS316, SS316Ti, SS316L, Monel
Movement	: SS304, SS316
Range	: -1 to 1600 Kg/Cm ² (Vacuum -1 to 0, -760 to 0mmHg, Compound -1 to 39 Kg/Cm ² , Pressure 0 to 1600 Kg/Cm ²)
Accuracy	: ±1%FSD standard, ±0.5% on request
Blow-out Disc	: Provided on top of case, On back of solid front case
Connection	: Size: 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type: NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp (Male / Female) (1/2" NPT(M) standard up to 1000 Kg/Cm ² & Bottom entry 1/2" BSP(M) above 1000 Kg/Cm ² others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry -2" pipe mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange), Back entry-flush panel mounting (with back side Bracket)
Service Temperature	: Ambient -20 to 60°C & Process up to +200°C
Temperature Effect	: Within ±0.4%FSD/10°C when temperature changes from reference of 20°C
Over Range	: 125%FSD up to 100 Kg/Cm ² , 115% FSD for higher ranges
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

Note:

- 1) Measuring units Kg/Cm², bar, psi as standard, others on request
- 2) Bourdon in SS316Ti recommended to ensures better accuracy & repeatability
- 3) Specify filling liquid type from optional items list for liquid filled gauge, if required.
- 4) SS weatherproof case available with or without Liquid filled (Solid front or Normal case)
- 5) Aluminium Case upto 6" Dry case in weatherproof or flameproof (bottom entry-surface mounting)
- 6) Back entry-flush panel mounting not applicable for solid front & liquid filled case
- 7) Autoclave LP, MP, HP & Type M Fittings/connectors on request
- 8) Solid front Phenolic case available in 125mm(4.5") & maximum 1000Kg/Cm² with minimum span of 1Kg/Cm². Phenolic is corrosion resistant and suitable for use in corrosive environment -20 to 60°C and process up to 100°C.

Srl.	Products	Model
5	Pressure Gauge-Bourdon Sensing (Dry Case)-Small Size	GPGB-SDS
6	Pressure Gauge-Bourdon Sensing (Liquid filled Case)-Small Size	GPGB-SLS

Case Type	: Dry case, Liquid filled case*
Case Material	: SS304, SS316, Epoxy coated pressed Steel
Dial Size	: 40mm(1.5"), 50mm(2"), 63mm(2.5")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass, Glass, Acrylics
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529) only for SS case(not applicable for 40mm dial & pressed steel cases)
Bourdon	: Brass, Phosphorus Bronze, SS316
Socket	: Brass, SS316
Movement	: Brass, SS304
Range	: -1 to 400 Kg/Cm ² for SS internals in 2", 2.5" dial sizes, (Vacuum -1 to 0, Compound -1 to 39 Kg/Cm ² , Pressure 0 to 400 Kg/Cm ²) -1 to 250 Kg/Cm ² for Brass internals in 2", 2.5" dial sizes, (Vacuum -1 to 0, Compound -1 to 39 Kg/Cm ² , Pressure 0 to 400 Kg/Cm ²) 0 to 25 Kg/Cm ² for Brass & SS internals in 1.5" dial sizes
Accuracy	: ±2%FSD for 1.5", 2", 2.5" dial / ±1.6%FSD for 2.5" dial (optional)
Blow-out Disc	: Provided on top of case for 2", 2.5" SS case only
Connection	: Size : 1/8", 1/4", 3/8" 1/2" Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, G, R, Rp(Male or Female)
Entry & Mounting	: Bottom entry-local mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange), Back entry-flush panel mounting (with back side Bracket)
Service Temperature	: Ambient -20 to 60°C for Brass/SS & Process +60°C for Brass & +100°C for SS working parts
Temperature Effect	: Within ±0.4%FSD/10°C when temperature changes from reference 20°C
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard

*Liquid filling available in 2", 2.5" SS case only.

Male thread 1/8" standard with 1.5" dial & Male thread 1/8", 1/4" standard with 2", 2.5" dial (adaptor available for other threads)

7) Receiver Gauge-Bourdon Sensing (Dry Case)

Model	: GPGB-RD
Case Type	: Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Bourdon	: SS316, SS316Ti, SS316L
Socket	: SS316, SS316Ti, SS316L
Movement	: SS304, SS316
Range (Input)	: 0 to 1 Kg/Cm ² or Bar / 3 to 15 PSSI
Scale	: 0 - 100% linear / 0 - 10 Sq. root
Accuracy	: ±1%FSD standard, ±0.5% on request
Micrometer Pointer	: Internal for zero adjustment
Blow-out Disc	: Provided on back of case

Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange)
Service Temperature	: Ambient -20 to 60°C & Process up to +200°C
Temperature Effect	: Within ±0.4%FSD/10°C when temperature changes from reference 20°C
Over Range	: 125%FSD up to 100 Kg/Cm ² / 115% FSD for higher ranges
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard

8) Absolute Pressure Gauge-Bourdon Sensing (Dry Case)

Model	: GPGB-AD
Case Type	: Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Bourdon	: SS316, SS316Ti, SS316L
Socket	: SS316, SS316Ti, SS316L
Movement	: SS304, SS316
Range	: 0 to 4 Kg/Cm ² , others on request.
Accuracy	: ±1%FSD
Micrometer Pointer	: Internal for zero adjustment
Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange)
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within ±0.4%FSD/10°C when temperature changes from reference 20°C
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

Recommended to use in colorless clean/clear non corrosive dry gases/air only, Measuring units Kg/Cm²(g), bar(g), psi(g) as standard, others on request, Optional items can select from optional items list, if applicable.

9) Master Pressure Gauge-Bourdon Sensing (Dry Case)

Model	: GPGB-MD
Case Type	: Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 150mm(6"), 250mm(10")
Dial Material	: Anti parallax mirror type, black markings one white background
Window	: Instrument glass
Pointer	: Knife edge, balanced type
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Bourdon	: SS316Ti
Socket	: SS316
Movement	: Precision brass jewel bearings
Range	: -1 to 600 Kg/Cm ² (Vacuum -1 to 0, -760 to 0mmHg, Compound -1 to 39 Kg/Cm ² , Pressure 0 to 600 Kg/Cm ²) / bar(g), psi(g) scale on request.
Accuracy	: ±0.25%FSD

Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Back eccentric entry-local mounting, Back eccentric entry-flush panel mounting (with 3 holed front Flange)
Service Temperature	: Ambient -20 to 60°C & Process up to +60°C
Temperature Effect	: Within $\pm 0.25\%$ FSD/10°C when temperature changes from reference 20°C
Over Range	: 1.2 times maximum ratings for short time.
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

Calibration certificate traceable to national/international standard/laboratory & Carrying case provided.
Measuring units Kg/Cm²(g), bar(g), psi(g) as standard, others on request

Optional: Dual scale, certificate from NPL, CE, ATEX, Pressure pump/comparator, Pointer puller & fixer kit and other items can select from optional items list, if applicable.

B) Pressure Gauges (Diaphragm Sensing) General Specifications

Srl.	Products	Model
1	Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-SD
2	Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-SL
3	Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)	GPGD-SDSF
4	Pressure Gauge-Diaphragm Sensing-Solid Front (Liquid filled Case)	GPGD-SLSF

Case Type	: Dry, Liquid filled, Solid front-Dry, Solid front-Liquid
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6"), 250mm(10")
Dial Material	: Aluminum dial with black marking on white background.
Pointer	: Light weight balanced Aluminium with Micrometer Pointer for zero reset.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68
Diaphragm	: SS316, SS316L, SS316 PTFE lined, SS316L PTFE lined, Hastelloy-B, Hastelloy-C, Titanium, Nickel, Monel, Inconel-600, Inconel-625
Movement	: SS304, SS316
Top Chamber	: SS304, SS316, SS316L
Bottom Flange	: SS316, SS316L, SS316 PTFE lined, SS316L PTFE lined, Hastelloy-B, Hastelloy-C, Titanium, Nickel, Monel, Inconel-600, Inconel-625 (Flange specs as shown in table)
Range	: -10000 to +10000mmWC, compound ranges optional
Accuracy	: $\pm 2\%$ FSD standard, $\pm 1.6\%$ on request
Blow-out Disc	: Provided on top of case, On back of solid front case
Connection	: Size: 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type: NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp (Male / Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry -2" pipe mounting
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within $\pm 0.8\%$ FSD/10°C when temperature changes from reference 20°C
Over Range	: EN-837 latest edition
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard

Reference Standard : EN-837 latest edition

Note:

- 1) Measuring units mmWC as standard, others on request
- 2) Specify filling liquid type from optional items list for liquid filled gauge, if required.
- 3) Liquid filled case 400mmWC minimum span, PTFE block available with SS flanged connection only

Srl.	Products	Model
5	Capsule Pressure Gauge-Diaphragm Sensing (Dry Case)-Compact	GPGD-CDC
6	Capsule Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)-Compact	GPGD-CDCSF

Case Type	: Dry case, Solid front-Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Pointer	: Light weight balanced Aluminium
Movement	: SS304, SS316
Capsule	: Made out of 2 diaphragms laser welded SS316, SS316L
Socket	: SS316, SS316L
Range	: 0 to 6000mmWC, -50 to 0mmWC to -6000 to 0mmWC, compound ranges optional
Accuracy	: ±1%FSD
Micrometer Pointer	: Internal for zero adjustment
Blow-out Disc	: Provided on top of case, Provided on back of solid front case
Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange)
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within ±0.6%FSD/10°C when temperature changes from reference 20°C
Over Range	: 110%FSD, others on request
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

Note : Measuring units mmWC as standard, others on request

Srl.	Products	Model
7	Capsule Pressure Gauge-Diaphragm Sensing (Dry Case)-Heavy Duty	GPGD-CDH
8	Capsule Pressure Gauge-Diaphragm Sensing-Solid Front (Dry Case)-Heavy Duty	GPGD-CDHSF

Case Type	: Dry case, Solid front-Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Movement	: SS304, SS316
Capsule	: SS316, SS316L
Pressure Chamber	: SS316, SS316L
Range	: 0 to 6000mmWC, -250 to 0mmWC to -6000 to 0mmWC, compound

Accuracy	: ranges optional : $\pm 1.6\%$ FSD
Micrometer Pointer	: Internal for zero adjustment
Blow-out Disc	: Provided on top of case, Provided on back of solid front case
Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within $\pm 0.6\%$ FSD/10°C when temperature changes from reference 20°C
Over Range	: 110%FSD, others on request
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition
Note	: Measuring units mmWC as standard, others on request

Srl.	Products	Model
9	Hygiene Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-HD
10	Hygiene Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-HL

Case Type	: Dry case, Liquid filled case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 63mm(2.5"), 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened), Glass for 2.5" dial
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Diaphragm	: SS316, SS316L welded
Movement	: SS304, SS316
Wetted Parts	: SS316, SS316L
Range	: -1 to 40 Kg/Cm ² for 4"/6" dial, 0-6 up to 40 Kg/Cm ² for 2.5" dial
Accuracy	: $\pm 1\%$ FSD, $\pm 0.5\%$ FSD on request for 4"/6" dial, $\pm 2\%$ FSD for 2.5" dial
Micrometer Pointer	: Internal for zero adjustment for 4"/6" dial only
Blow-out Disc	: Provided on top of case (on back optional for 4"/6" dial only)
Connection	: 2" Triclover fitting, 1" IDF fitting, 1.5" SMS union
Entry & Mounting	: Bottom entry-local mounting / Back entry-local mounting
Service Temperature	: Ambient -4 to 60°C & Process up to +150°C
Temperature Effect	: Within $\pm 0.4\%$ FSD/10°C when temperature changes from reference 20°C
Over Range	: EN-837 latest edition
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition
Note	: Measuring units Kg/Cm ² (g) as standard, bar, psi, kPa on request

Srl.	Products	Model
11	Absolute Pressure Gauge-Diaphragm Sensing (Dry Case)	GPGD-AD
12	Absolute Pressure Gauge-Diaphragm Sensing (Liquid filled Case)	GPGD-AL

Case Type	: Dry case, Liquid filled case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 100mm(4"), 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Diaphragm	: SS316, SS316L

Movement	: SS304, SS316
Wetted Parts	: SS316, SS316L
Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Range	: 0 to 6000 mmWC(a)
Accuracy	: ±1.6%FSD
Micrometer Pointer	: Internal for zero adjustment
Over Range	: As per EN 837
Blow-out Disc	: Provided on top of case (on back of case on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within ±0.8%FSD/10°C when temperature changes from reference 20°C
Over Range	: EN-837 latest edition
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

Note: Measuring units mmWC as standard, others on request (above 100°C, we recommend to use suitable cooling arrangements like Syphon tube, Cooling tower, Impulse tube etc.)

13) Absolute Pressure Gauge-Bellow Sensing (Dry Case)

Model	: GPGB-AD
Case Type	: Dry case
Case Material	: SS304, SS316 with bayonet bezel
Dial Size	: 150mm(6")
Dial Material	: Aluminum dial with black marking on white background.
Window	: Safety glass (shatterproof/toughened)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Bellow	: SS316, SS316L
Movement	: SS316, SS304
Socket	: SS316, SS316L
Connection	: Size : 1/4", 3/8", 1/2", 3/4", 1", M20x1.5 Type : NPT, NPS, BSP, BSPT, JIS-PF, JIS-PT, Gas, R, Rp / (Male or Female) (1/2" NPT(M) standard, others on request)
Range	: 0 to 1.6 Kg/Cm ²
Accuracy	: ±1%FSD
Micrometer Pointer	: Internal for zero adjustment
Over Range	: As per EN 837
Blow-out Disc	: Provided on top of case (on back of case on request)
Entry & Mounting	: Bottom entry-local mounting, Bottom entry-surface mounting, Bottom entry-2" pipe mounting, Back entry-local mounting, Back entry-flush panel mounting (with 3 holed front Flange)
Service Temperature	: Ambient -20 to 60°C & Process up to +100°C
Temperature Effect	: Within ±0.4%FSD/10°C when temperature changes from reference 20°C
Over Range	: EN-837 latest edition
Connection Standard	: EN 837-1, ISO-7, ANSI B1.20.1 standard
Reference Standard	: EN-837 latest edition

14) Mud Pressure Gauge-Diaphragm Sensing (Liquid filled case)

Model	: GPGD-ML
Case Type	: Liquid filled case
Case Material	: Die Cast Aluminium with bolted bezel
Dial Size	: 100mm(4")
Dial Material	: Aluminum dial, black marking on white background, rotating type
Window	: Safety glass (Perspex)
Protection	: Weatherproof to IP67, IP68 (IS13947 part-I/IEC60529)
Diaphragm	: SS316, SS316L
Movement	: SS316, SS304
Bourdon Tube	: SS316, SS316L
Chamber	: Hexagonal - SS316, SS316L
Range	: 0 to 420 bar (Units Kg/Cm ² , MPa(g), PSI(g) on request)
Accuracy	: ±1%FSD
Case Filling	: Glycerine, Silicon Oil
Chamber Sealing	: Silicone Oil
Maud Protection	: Nitrile, Viton
Connection	: 2"NPT(M), 2"LP(M)
Entry & Mounting	: Bottom entry-local mounting
Option al	: CE, ATEX, Flanged connection

Note: Specifications other than above offered on request. Refer "optional items list" or "accessories catalogue" for more details, if required

Optional Items:-

Srl.	Items	Code
1	Not applicable	N
2	Glycerine filled case	FGL
3	Silicon Oil filled case	FSI
4	Food grade Silicon Oil filled case	FFS
5	Halocarbon filled case	FHA
6	Fluorolube filled case	FFL
7	Syltherm-800 filled case	FSY
8	Mineral Oil filled case	FMI
9	Transformer oil filled case	FTO
10	Pulsation Dampener (Snubber)	PD*
11	Gauge Saver	GS*
12	Syphon (U)	SU*
13	Syphon (Pigtail)	SP*
14	Gauge Adaptor	GA*
15	Gauge Union (Universal Adaptor)	GU*
16	Cooling tower	CTBS, CTBP, CTPP*
17	Impulse Tube	IT*
18	Autoclave Connector/Adaptor (LP, MP, HP & Type M)	AC*
19	Flanged connection	FL*
20	Pointer Puller & Fixer Kit	PPF*
21	Gauge Cock (2-Way)	GC2*
22	Gauge Cock (3-Way)	GC3*
23	Chemical Seal / Diaphragm Seal unit	**
24	Flushing Ring	FR**

25	Capillary	CA**
26	Valve (Ball, Needle, Manifold, Monoflange)	***
27	Pressure comparator	PC
28	IBR certificate	IB
29	CE certificate	CE
30	ATEX certificate	AT
31	NACE compliance	NA
32	Dual scale	DS
33	Color band/zone	CB
34	Dial-SS304	D2
35	Dial-SS316	D3
36	Dial-phenolic/plastic	D4
37	Pointer SS	PS
38	Blow out disk at back of case	BD
39	Vacuum protection	VP
40	Oxygen (O ₂) cleaning	OC
41	Over range protection 150%FSD	OR
42	Maximum pointer	MP
43	External knob for zero reset (SS Case)	EK
44	Welded bezel with SS case	WB
45	Press fit bezel with SS case	PB
46	±0.25% FSD accuracy (master gauge)	A1
47	±0.5% FSD accuracy (test gauge)	A2
48	±1.6% FSD accuracy (standard gauge)	A4
49	Tag plate-SS (wired)	TS
50	Tag plate-Aluminium (wired)	TA
51	Mill Connector	MC*
52	Contact assembly suitable to 5A@230VAC	EC
53	Specify others if any	X
Note	*Refer catalogue page "Accessories" for more details.	
	** Refer catalogue page "Diaphragm Seal" for more details.	
	***Refer catalogue page "Valves" for more details.	
	Refer catalogue page "Fittings" for details, if required.	

Bourdon sensing Pressure Gauge (Dry or Liquid Filled, Standard or Solid front Case)



Entry: Bottom / Back / Lower Back / Lower Back / Panel mounting bracket or flange



SS-Solid front Surface mounting Panel Mounting Pnenolic-Solid front Liquid Filled Digital PG

Diaphragm sensing Pressure Gauge (Dry or Liquid Filled, Standard or Solid front Case)



Bolted (Sandwiched Diaphragm Seals) Screwed Welded Extended Diaphragm Capsule Sensing Direct Flush Diaphragm Plug-in Adaptor Diaphragm



"1" section Diaphragm Tri-Clover/Clamp (Sanitary/Hygiene-Diaphragm Seal) SMS union IDF union Pan-Cake Diaphragm (Capillary Extension) Sandwich Diaphragm