

High Static Differential pressure gauge

Model: DP2A

Applications

- For gaseous, liquid, particulates-containing, viscous and aggressive media
- Water and wastewater pressure control
- Monitoring and control of pump
- Level measurement in closed tank
- Filtration monitoring, level and flow measurement

Special features

- High static pressure up to 6000psi
- All welded media chamber
- Differential pressure measuring ranges from 0 ... 10 mbar to 60 bar
- Dry or liquid filled
- Flow measurement dial (optional)

Description

- **Accuracy class** 2.5, 1.6, 1% (option)
- **Pressure element** High range stainless steel 1.4571 (low range inconel)
Hastelloy, Monel, Tantalum(option)
- **Process connection** 1/4" & 1/2" Stainless steel 316L & bottom
Hastelloy, Monel, Tantalum(option)
- **Window** Laminated safety glass Anti-glare & Anti-static
- **Permissible temperature** Ambient: -40 ... +60 °C without liquid filling
-20 ... +60 °C gauges with glycerine filling
Medium: -20 ... 150 °C
- **Movement** Stainless steel with stabilizer
- **Pointer** Aluminium, black
- **Dial** Aluminium, white, black lettering,
- **Protection** IP66
- **Range** 0...10 mbar to 0...60 bar



Max. working pressure, overpressure safety

| Scale ranges | Max. working pressure in bar (static pressure) | | Overpressure safety in bar either side max. | |
|----------------------------|--|------------|---|------------|
| | Standard | Optional | Standard | Optional |
| 0 ... 16 to 0 ... 40 mbar | (4000 psi) | (6000 psi) | (2500 psi) | - |
| 0 ... 60 to 0 ... 250 mbar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 0 ... 400 mbar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 0...0.6 bar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 0...1 bar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 0...1.6 bar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 0 ... 2.5 to 0 ... 40 bar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |
| 60 bar | (4000 psi) | (6000 psi) | (2500 psi) | (3500 psi) |



DP2A Differential Pressure Gauges

| ORDERING CODE | Example: | DP2A | 4 | T | 2 | L | S | AT | 1 | WA | Note |
|--|----------|------|---|---|---|---|---|----|---|----|------|
| Dial Size/Model Code | | | | | | | | | | | |
| 4 - 100mm(4") | | | 4 | | | | | | | | |
| 5 - 125mm(5") | | | | | | | | | | | |
| 6 - 160mm(6") | | | | | | | | | | | |
| Process Connection Type | | | | | | | | | | | |
| T - Bottom | | | | T | | | | | | | |
| B - Back | | | | | | | | | | | |
| Process Connection Sizes | | | | | | | | | | | |
| 2 - 1/4"NPT | | | | | 2 | | | | | | |
| 4 - 1/4" G | | | | | | | | | | | |
| 6 - Customer | | | | | | | | | | | |
| Case Design | | | | | | | | | | | |
| D - Dry | | | | | | | | | | | |
| L - Liquid fill | | | | | | L | | | | | |
| Tube and Process Connection Material | | | | | | | | | | | |
| S - 316L Stainless steel | | | | | | | S | | | | |
| M - Monel® 400 | | | | | | | | | | | |
| H - Hastelloy | | | | | | | | | | | |
| C - Customer | | | | | | | | | | | |
| Accuracy | | | | | | | | | | | |
| AH - 2.5% | | | | | | | | | | | |
| AT - 1.6% (std.) | | | | | | | | AT | | | |
| AC - 1% | | | | | | | | | | | |
| Static Pressure | | | | | | | | | | | |
| 1 - One side 2500psi | | | | | | | | | | 1 | |
| 2 - One side 3500psi | | | | | | | | | | | |
| 3 - Two side 4500psi | | | | | | | | | | | |
| 4 - Two side 6000psi | | | | | | | | | | | |
| Options | | | | | | | | | | | |
| SC - Single scale | | | | | | | | | | | |
| DS - Dual scales | | | | | | | | | | | |
| YW - 316L Stainless steel case | | | | | | | | | | | |
| OS - Overload stop | | | | | | | | | | | |
| GF - Glycerin filling | | | | | | | | | | | |
| QC - Low temperature silicone fill for ambient temperature down to -94°F (-70°C), including Fluorosilicone sealing | | | | | | | | | | | |
| SH - Red set hand, stationary (dry case only) | | | | | | | | | | | |
| BF - Back bracket for wall mounting | | | | | | | | | | | |
| MF - Front flange for panel mounting | | | | | | | | | | | |
| CC - Calibration certificate | | | | | | | | | | | |
| NH - Stainless steel tag wired to case | | | | | | | | | | | |
| AT - ATEX | | | | | | | | | | | WA |
| WA - One year warranty | | | | | | | | | | | |
| NS - NACE MR 0175 & MR 0103 standard | | | | | | | | | | | |
| MV - Manifold valve(refer to manifolds valves catalogues) | | | | | | | | | | | |
| Other | | | | | | | | | | | |





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