

GXD All Stainless Steel Pressure Gauge (100mm Ø)

Bottom or back entry. 1/2 inch BSPP process entry thread. Ranges available from 1 bar to 400 bar (15 psi to 6000 psi). IP 65 rated. The Pressure Direct GXD range of gauges are suitable for use in all gaseous and liquid media that are not highly viscous or crystallising and in applications that are too aggressive for standard gauges. Supplied as standard with a dry case but can be supplied glycerine filled for applications where pulsating or vibration exists. Commonly used for chemical, petro-chemical, power stations, mining, off-shore, environmental technology, machine building and plant construction. Includes a blowout back seal for increased safety.

- 100mm Ø
- Bottom or back entry
- 1/2" BSP Parallel process entry thread
- Dual scale: 0...1 bar to 0...400 bar (0...15 psi to 0...6000 psi)
- All stainless steel construction

Can be supplied glycerine-filled

| Technical Details | |
|------------------------------|---|
| Design | EN 837-1 |
| Accuracy Class | 1.0 |
| Movement | Stainless Steel |
| Process Connection | 1/2" BSP Parallel, 316L Stainless Steel |
| Pressure Element | Stainless Steel 316L < 100 bar: C-type; ≥ 100 bar: Helical type Steady: full scale value |
| Pressure Limitation | Fluctuating: 0.9 x full scale value Short time: 1.3 x full scale value |
| Dial | 100mm Ø, aluminium, white, black lettering |
| Pointer | Aluminium, black |
| Case | Stainless steel, venting cap on top, relief cap on back |
| Window | Laminated safety glass |
| Bezel Ring | Cam ring (bayonet type), stainless steel |
| Filling Liquid | Glycerine 99.7% (optional) |
| Temperature Effect | When measuring system temperature deviates from reference temp. (+20°C): Max. ±0.4 %/10 K of the span |
| Ingress Protection | IP 65 per EN 60529 / IEC 60529 |
| Operating Temperature | Ambient: -40°C to +60°C |



Blowout back seal

100mm Ø dial (GXD10B shown)

| pressure range | | order code | |
|----------------|----------|------------|--------------|
| bar | psi | back entry | bottom entry |
| 0...1 | 0...15 | GXD01R | GXD01B |
| 0...2 | 0...30 | GXD02R | GXD02B |
| 0...4 | 0...60 | GXD04R | GXD04B |
| 0...7 | 0...100 | GXD07R | GXD07B |
| 0...10 | 0...150 | GXD10R | GXD10B |
| 0...16 | 0...230 | GXD16R | GXD16B |
| 0...25 | 0...350 | GXD25R | GXD25B |
| 0...40 | 0...600 | GXD40R | GXD40B |
| 0...60 | 0...900 | GXD60R | GXD60B |
| 0...100 | 0...1500 | GXD100R | GXD100B |
| 0...140 | 0...2000 | GXD140R | GXD140B |
| 0...200 | 0...3000 | GXD200R | GXD200B |
| 0...280 | 0...4000 | GXD280R | GXD280B |
| 0...400 | 0...6000 | GXD400R | GXD400B |

Suffix code with -GLY for glycerine-filled: e.g. GXD10B-GLY

GCD Low Pressure Industrial Capsule Pressure Gauge (100mm Ø)

Bottom entry. 1/2 inch BSPP process entry thread. Ranges available from 25 mbar to 600 mbar. IP 54 rated. The Pressure Direct GCD range of capsule pressure gauges are suitable for use in dry and gaseous media that will not attack copper alloy parts. Commonly used for medical, environmental and laboratory applications, and also for contents measurement and filter monitoring. Supplied as standard with a stainless steel case, brass thread and copper alloy movement. Zero adjustment through front window (removable bezel ring).

- 100mm Ø, Bottom entry
- 1/2 inch BSP Parallel process entry thread
- 0...25 mbar to 0...600 mbar
- Zero adjustment in front

| Technical Details | |
|------------------------------|---|
| Design | EN 837-3 |
| Accuracy Class | 1.6 |
| Movement | Copper Alloy |
| Process Connection | 1/2" BSP Parallel, Brass |
| Pressure Element | Copper Alloy Steady: full scale value |
| Pressure Limitation | Fluctuating: 0.9 x full scale value |
| Dial | 100mm Ø, aluminium, white, black lettering |
| Pointer | Aluminium, black |
| Case | Stainless steel |
| Window | Instrument glass |
| Bezel Ring | Cam ring (bayonet type), stainless steel |
| Seal | NBR |
| Zero Adjustment | In front |
| Temperature Effect | When measuring system temperature deviates from reference temp. (+20°C): Max. ±0.6 %/10 K of the span |
| Ingress Protection | IP 54 per EN 60529 / IEC 60529 |
| Operating Temperature | Ambient: -20°C to +60°C |



100mm Ø dial (GCD250B shown)



Removable bezel ring enables adjustment via screw on front

| pressure range | | order code | |
|----------------|--|------------|--------------|
| mbar | | | bottom entry |
| 0...25 | | GCD025B | |
| 0...40 | | GCD040B | |
| 0...60 | | GCD060B | |
| 0...100 | | GCD100B | |
| 0...160 | | GCD160B | |
| 0...250 | | GCD250B | |
| 0...400 | | GCD400B | |
| 0...600 | | GCD600B | |