

Product Data Sheet

AN3000 series



| Pressure Ranges | | | |
|-----------------|---------------------|--------------------|--|
| NS 63 | 0 - 1.6 to 250 bar | 0 - 24 to 3500 PSI | |
| NS 100 | 0 - 0.6 to 1000 bar | 0 - 9 to 14000 PSI | |
| NS 160 | 0 - 0.6 to 600 bar | 0 - 9 to 9000 PSI | |

Features

- Stainless Steel, Bourdon-Tube, Case and Connection (Highly durable for corrosive pressurized fluids)
- Bourdon-Tube and Arc welded connections
- Full rotary movement and micrometer pointer for ease in calibration.
- Designed to run unfilled (dry) or with liquid (Glycerin) filled.
- Adjustable Screw on the needle for easy calibration

Application

- Power Plants (Thermal, Hydraulic & Nuclear power plant), Hydraulic & Pneumatic.
- · Petrochemical plants, ships, the food industry, etc.
- Pure fluid (no contain any particle of solid or high viscosity) Increased safety requirements for personal protection.
- For gaseous and liquid aggressive media that are not highly viscous or crystallizing, also in aggressive environments.
- Oil and gas industry, chemical and petrochemical industries, power engineering, and also water and wastewater technology.

Description

The use of high-quality stainless steel materials and the robust design helps it to use in the chemical and process engineering industries. Thus, the instrument is suitable for liquid and gaseous media, also in aggressive environments. This high-quality Bourdon tube pressure gauge has been designed especially for increased safety requirements within the process industry.



Specification

| | 63, 100 & 160 mm | |
|---------|--|--|
| on | As per IEC/EN 60529 - IP65 | |
| NS 63 | Upto 250 bar (3500 PSI) | |
| NS 100 | Upto 1000 bar (14000 PSI) | |
| NS 160 | Upto 600 bar (9000 PSI) | |
| NS100 | From -1.0 upto 1.5 bar (from -14 upto 20 PSI) | |
| | 1.0% of Full Scale (1.0 grade) Mark FS1 | |
| NS 63 | G1/4" Male - Bottom mount | |
| NS 100 | G1/2" Male - Bottom mount | |
| NS 160 | G1/2" Male - Bottom mount | |
| Ambient | -40 to +60°C with unfilled gauges | |
| | -20 to +60°C instruments with glycerine | |
| Medium | +200°C maximum with unfilled gauges | |
| | +100°C maximum with glycerine filled | |
| | NS 63 NS 100 NS 160 NS 100 NS 63 NS 100 NS 160 Ambient | |

Material

| Material | |
|------------------|---|
| Bourdon Tube | SS304, SS316 |
| Movement | SS 304 |
| Dial | Aluminum, white, black lettering |
| Pointer | Aluminum, Black |
| Case & Cover | SS 304, IP65 Protection Stainless steel, blowout back |
| Connections | SS 316 |
| Lens | Laminated Safety Glass |
| Pressure Element | SS 306L / C-type |
| Window | Laminated safety glass (NS 63: Polycarbonate) |
| Ring | Bayonet ring, stainless steel |
| Media | Gas & Liquid |

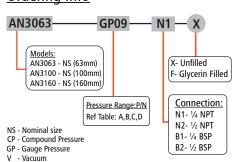
Model: AN3063 - NS (63mm) Table: A

| P/N | Bar | PSI |
|--------|-----|------|
| GP24 | 1.6 | 24 |
| GP90 | 6 | 90 |
| GP140 | 10 | 140 |
| GP350 | 25 | 350 |
| GP900 | 60 | 900 |
| GP1400 | 100 | 1400 |
| GP3500 | 250 | 3500 |

Model: AN3063/3100/3160 Table: B

| P/N | Bar | PSI |
|------|--------|----------|
| CP20 | -1~1.5 | -14.5~20 |
| V15 | -1~0 | -14.5~0 |

Ordering Info



Model: AN3100 - NS (100mm) Table: C

| P/N | Bar | PSI |
|--------|------|-------|
| GP09 | 0.6 | 9 |
| GP14 | 1 | 14 |
| GP24 | 1.6 | 24 |
| GP35 | 2.5 | 35 |
| GP60 | 4 | 60 |
| GP90 | 6 | 90 |
| GP140 | 10 | 140 |
| GP240 | 16 | 240 |
| GP350 | 25 | 350 |
| GP500 | 35 | 500 |
| GP600 | 40 | 600 |
| GP900 | 60 | 900 |
| GP1400 | 100 | 1400 |
| GP2400 | 160 | 2400 |
| GP3500 | 250 | 3500 |
| GP6K | 400 | 6000 |
| GP9K | 600 | 9000 |
| GP10K | 700 | 10000 |
| GP14K | 1000 | 14000 |

Model: AN3160 - NS (160mm) Table: D

| P/N | Bar | PSI |
|--------|-----|------|
| GP09 | 0.6 | 9 |
| GP14 | 1 | 14 |
| GP24 | 1.6 | 24 |
| GP35 | 2.5 | 35 |
| GP60 | 4 | 60 |
| GP90 | 6 | 90 |
| GP140 | 10 | 140 |
| GP240 | 16 | 240 |
| GP350 | 25 | 350 |
| GP600 | 40 | 600 |
| GP900 | 60 | 900 |
| GP1400 | 100 | 1400 |
| GP2400 | 160 | 2400 |
| GP3500 | 250 | 3500 |
| GP6K | 400 | 6000 |
| GP9K | 600 | 9000 |