

# 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

Nominal Sizes	63, 100 & 160 mm	
Ingress protection	As per IEC/EN 60529 - IP65	
Scale Range bar (PSI)	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)
Accuracy	1.0% of Full Scale (1.0 grade) Mark FS1	
End Connection	NS 63	G1/4" Male - Bottom mount
	NS 100	G1/2" Male - Bottom mount
	NS 160	G1/2" Male - Bottom mount
Operating Temp	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

### 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: 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

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

