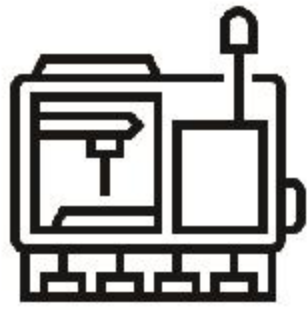


PG600 All Steel Pressure Gauge

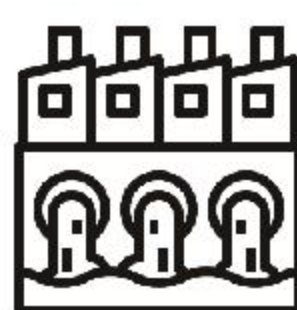
Application scenarios



Machinery
manufacturing



Petrochemical
industry



Water
treatment



Hydrogen refueling
equipment



Hydrogen energy
storage and transportation



Product features

Shell	Range	Accuracy	Design standard
The material is 304 stainless steel.	-0.1~0, till 0~160MPa (100,160MPa only for 100 diameter)	±2.5; ±1.6%; ±1% (Optional)	JB/T6804-2006

Product description

- The PG600 standard is JB/T6804-2006, strict control from design to production and superior reliability.
- The pressure gauge shell is made of stainless steel, and the joint part is made of stainless steel.
- The product can choose internal liquid filling: the medium is Glycerol, which effectively resists vibration and shock from the site, ensuring the reliable and stable operation of the instrument.
- The product can choose special material 316L tempering treatment process, which can meet the application requirements of hydrogen rich and high-pressure conditions, effectively prevent hydrogen embrittlement and hydrogen permeation, and prevent this disaster from happening.
- The dial specifications of the gauge include 40mm, 50mm, 63mm, 75mm, 98mm, 100mm, 150mm, and the measurement range can cover:-0.1-160MPa, with a protection level of IP65, a wide range of choices can be widely used in mechanical equipment, pumps and compressors, and various measurement fields.

Technical Parameter



Standard

JB/T6804-2006



Pressure Range

-0.1~160MPa



Dial diameter

40mm、50mm、63mm、75mm、98mm、
100mm、150mm



Accuracy

±2.5%、±1.6%、±1% (Optional)



Operating temperature range

Work environment: (-40~+70) °C
Maximum medium temperature:
+200 °C (requires radiator)



Protection level

IP65



Bourdon tube

Stainless steel argon arc welding



Core

Stainless steel



Glass

Carbonated polyester plastic,
organic glass,explosion proof
glass,safety glass,steel vitrification



Process connection

The joint material can be 304 or 316 stainless steel, with axial and radial options available,

Thread: M20 × 1.5, G1/2, NPT1/2 (100150 outer diameter gauge)

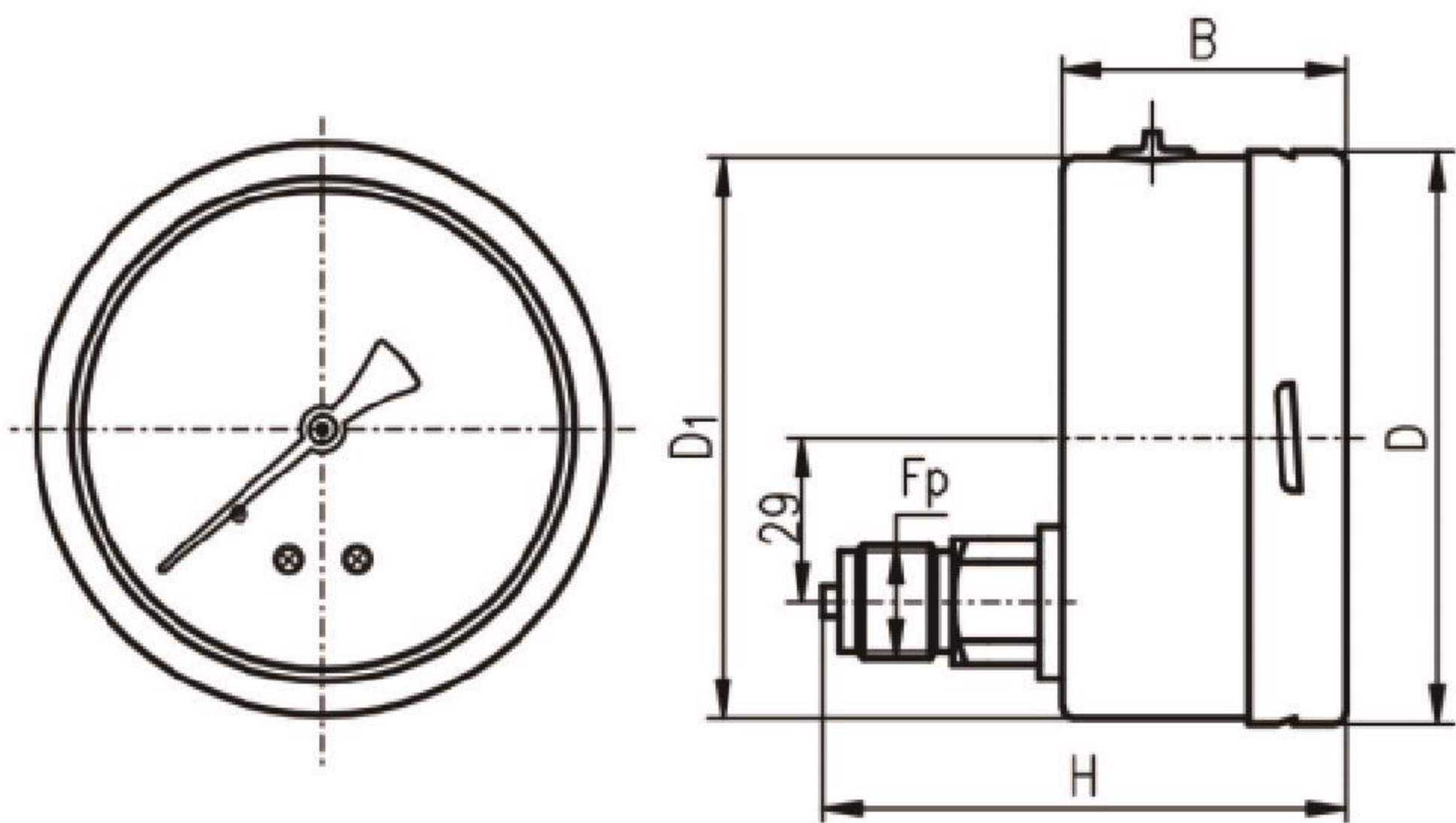
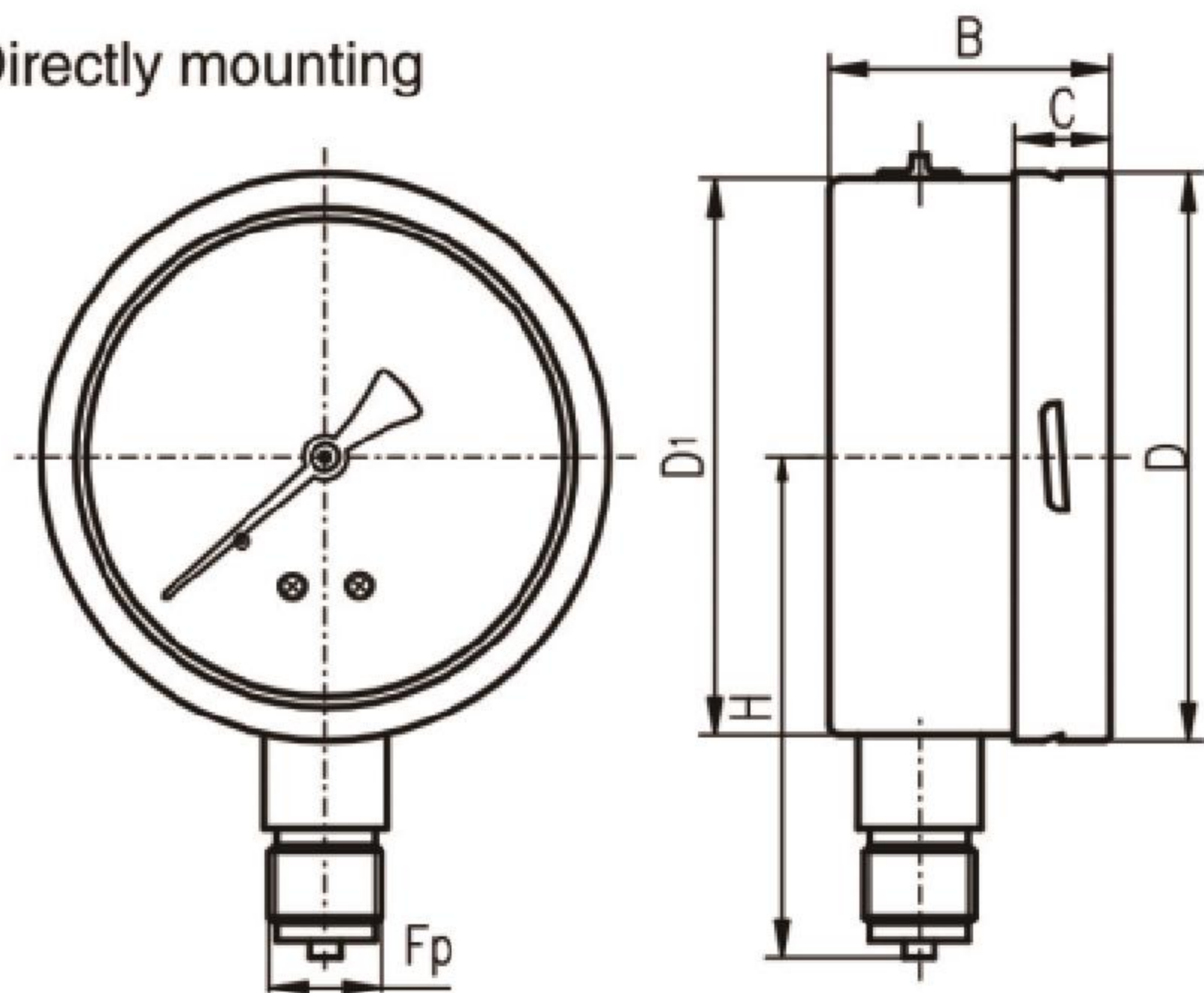
M14 × 1.5, G1/4, NPT1/4 (63,75 outer diameter gauge)

M10 × 1. G1/8, NPT1/8 (40,50 outer diameter gauge)

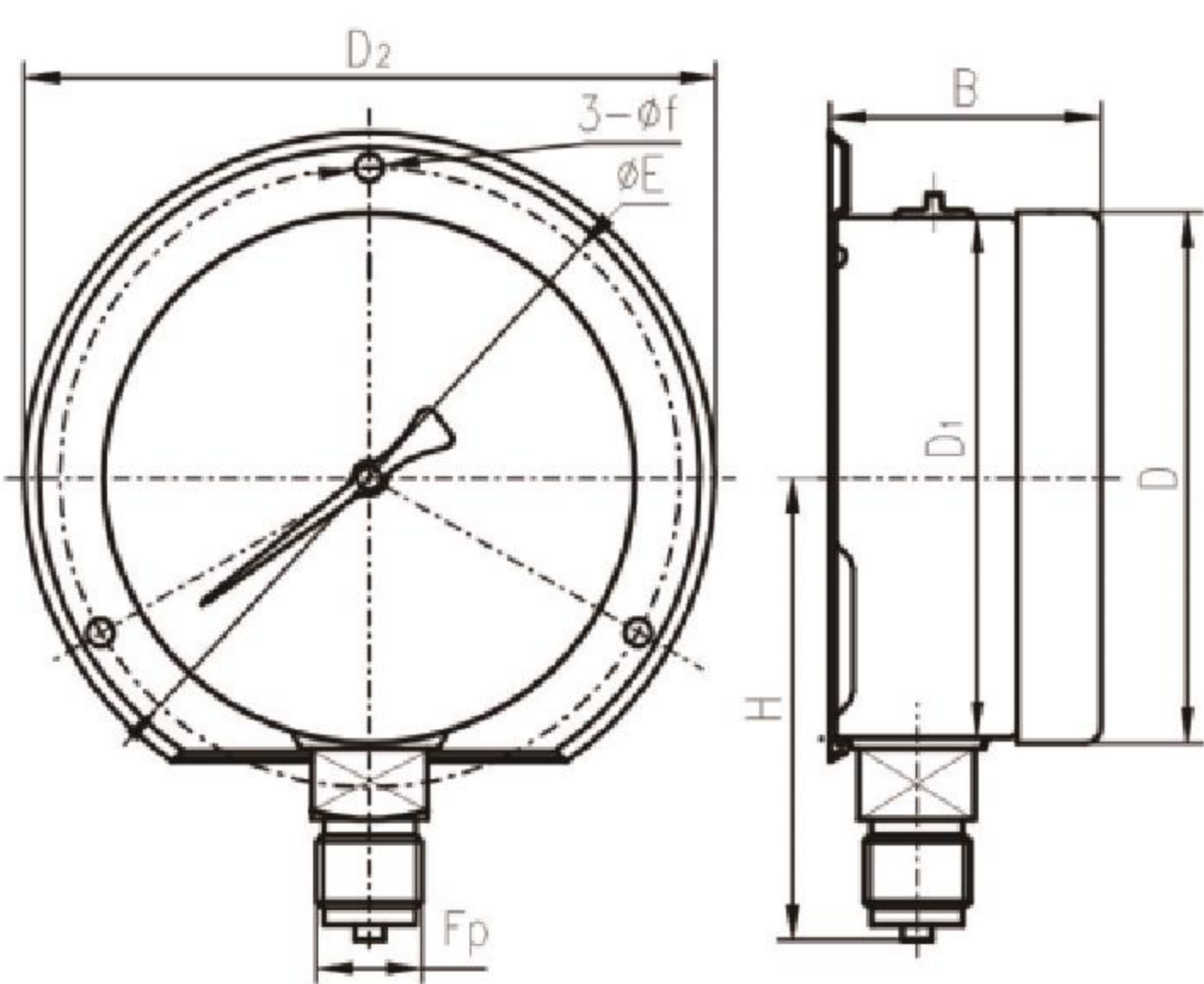
Specifications and dimensions

■ Directly mounting

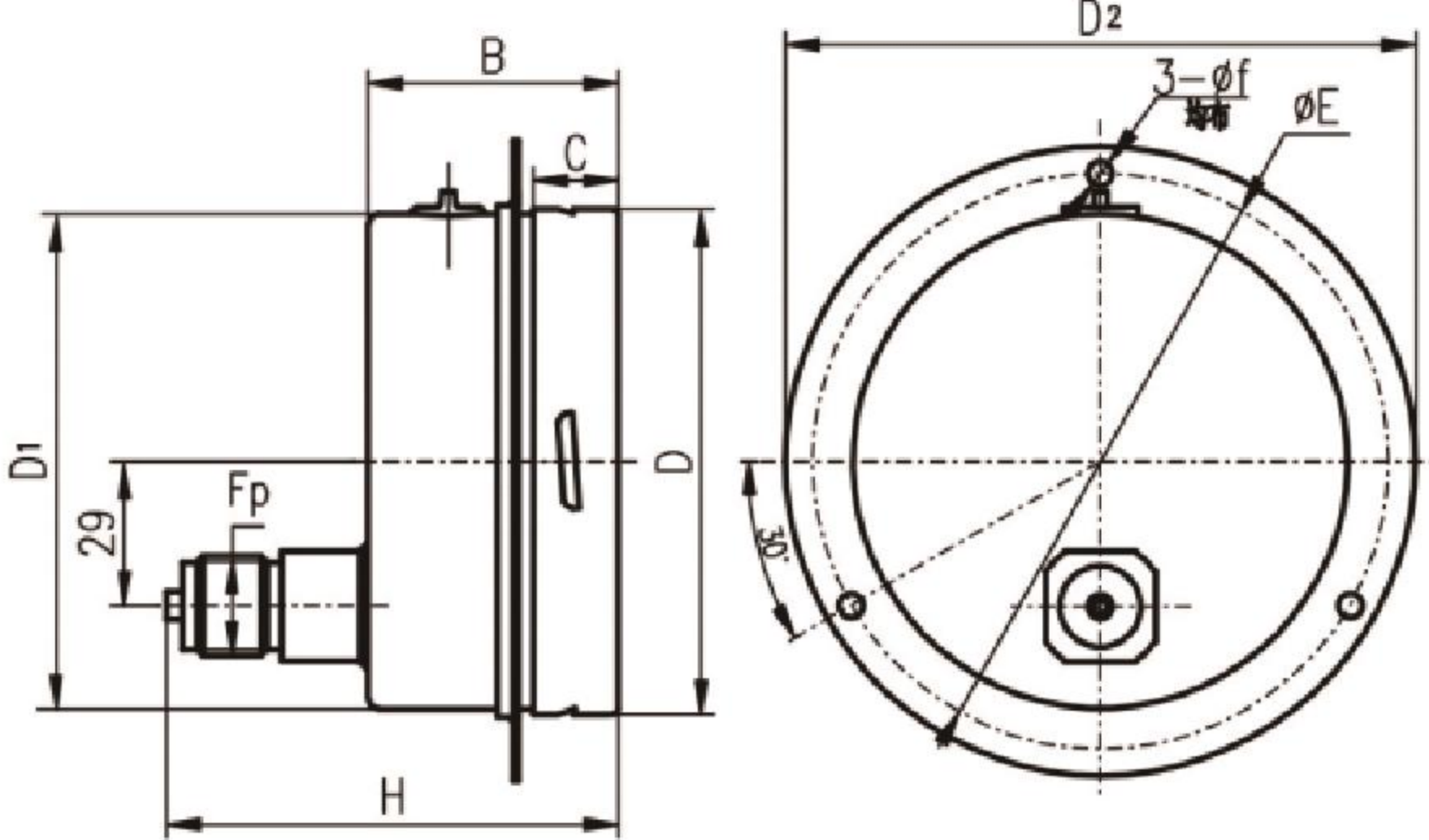
Directly mounting



径向卡边安装
Bottom mounting Bayonet flange mounting



轴向卡边安装
Back mounting Bayonet flange mounting



可选型号 Type code	D	D1	B	H	Fp	D2	φE	φf
Φ100 径向	101	99	50	89/86	M20 1.5/NPT1/2	131.5	118	5.5
Φ100 轴向	101	99	50	90/87	M20 1.5/NPT1/2	128	118.5	5.5
Φ150 径向	149	147	50	118/115	M20 1.5/NPT1/2	180	162	6

Special Options

- HH Hydrogen measurement dedicated
- ES Electrical signal(4–20mA,etc.)
- FS Electric contact(switch signal)
- PG Polishing treatment
- ZN Damping screws
- TK Carbon steel shell
- TF 304 shell
- TC 316L shell
- JD 1% accuracy
- BP Special panel
- SC Safety double–layer glass
- YJ Organic glass
- CY Oil filling(glycerol,silicone)
- YY Customized

Dial diameter

- 40 φ40mm
- 50 φ50mm
- 63 φ63mm
- 75 φ75mm
- 98 φ98mm
- 100 φ100mm
- 150 φ150mm

Mounting method

- A Radial direct mounting
- B Radial bayonet flange mounting
- C Axial direct mounting
- D Axial bayonet flange mounting

Thread spec

- GM M20x1.5
- GN NPT1/2
- GT NPT1/4
- GO G1/4
- GP G1/2
- YY Customized

Pressure Range

XX Refer to the following range code table

1020304050

PG600 All steel pressure gauge

Range code table					
Code	Range	Code	Range	Code	Range
BG00K	(-0.1~0) MPa	G100K	(0~0.1) MPa	G4M	(0~4) MPa
BG60K	(-0.1~0.06) MPa	G160K	(0~0.16) MPa	G6M	(0~6) MPa
BG150K	(-0.1~0.15) MPa	G250K	(0~0.25) MPa	G10M	(0~10) MPa
BG300K	(-0.1~0.3) MPa	G400K	(0~0.4) MPa	G16M	(0~16) MPa
BG500K	(-0.1~0.5) MPa	G600K	(0~0.6) MPa	G25M	(0~25) MPa
BG900K	(-0.1~0.9) MPa	G1M	(0~1) MPa	G40M	(0~40) MPa
BG1.5M	(-0.1~1.5) MPa	G1.6M	(0~1.6) MPa	G60M	(0~60) MPa
BG2.4M	(-0.1~2.4) MPa	G2.5M	(0~2.5) MPa	G100M	(0~100) MPa
				G160M	(0~160) MPa

Selection rules :

Requirement: dial diameter 63mm, radial, (0-1) MPa, M20x1.5, measuring pure hydrogen gas

Model: PG600-63AG1MGMHH