

Y系列一般压力表

Y Series General Pressure Gauge



径向后带边安装
Bottom mounting with back flange



径向直接安装
Bottom mounting



轴向直接安装
Back mounting



轴向前带边安装
Back mounting with front flange



轴向直接安装
Back mounting



轴向前边嵌装
Back mounting with front flange

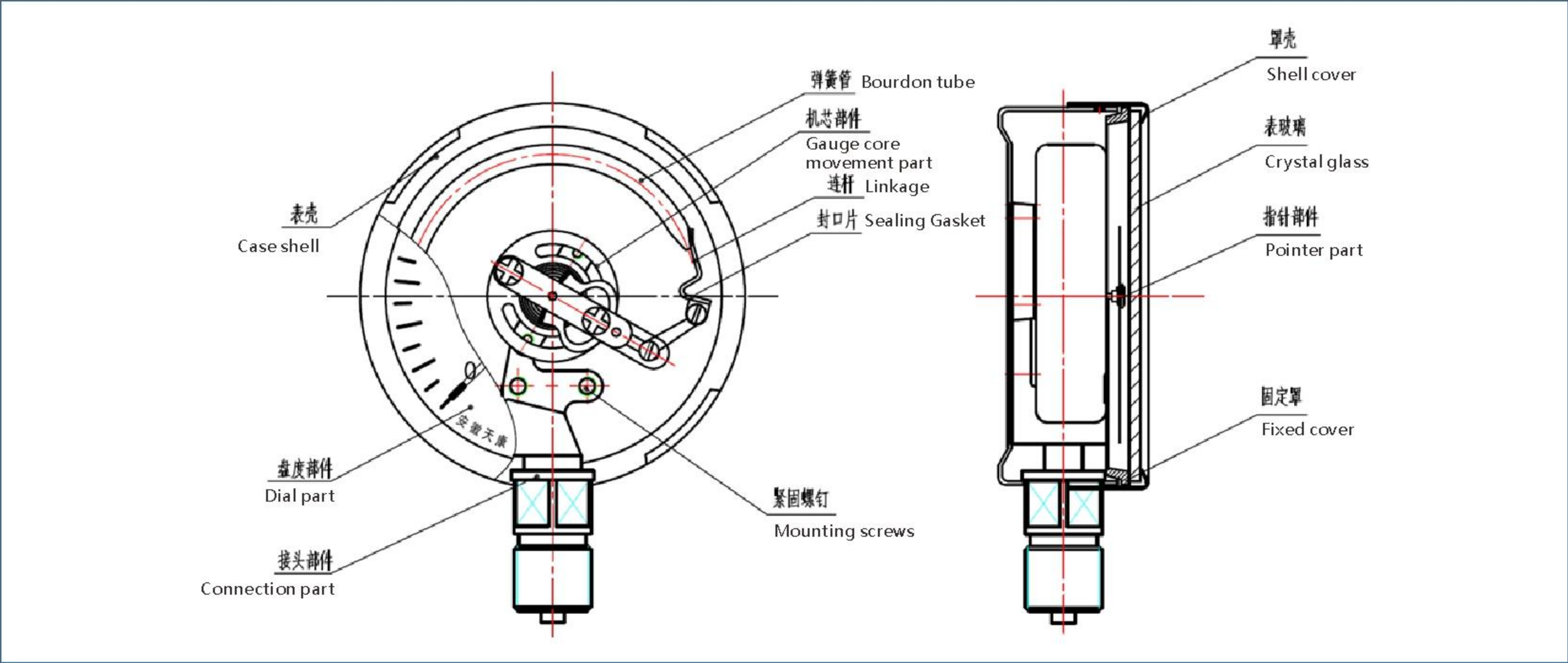
产品应用 Product Application

一般压力表适用于测量无爆炸，不结晶、不凝固及对铜合金不起腐蚀作用的液体或气体等介质的压力。
General pressure gauges are suitable for measuring the pressure of liquids or gases that are non-explosive, non-crystallizing, non-solidifying, and non-corrosive to copper alloys.

产品原理Product Principle

仪表的测量系统由接头、弹簧管和传动机构组成。通过指针指示仪表读数。弹簧管敏感元件是弯成圆形，积面积显椭圆形的管道。测量介质的压力作用在弹簧管内侧，这样弹簧管椭圆截面会趋于圆形截面。其变形的大小取决于测量介质的压力大小。弹簧管变形通过机芯间接地由指针显示测量介质的压力。“C”型弹簧管可用于测量10MPa以内的压力,对于更高的压力,弹簧管采用多重线圈或同一水平面的螺旋状线圈。

The measurement system of the instrument consists of a connection, a Bourdon tube, and a transmission mechanism. The reading is indicated by a pointer. The Bourdon tube, which is the sensitive element, is bent into a circular shape with an elliptical cross-section. The pressure of the measured medium acts on the inside of the Bourdon tube, causing the elliptical cross-section of the tube to tend towards a circular shape. The magnitude of deformation depends on the pressure of the measured medium. The deformation of the Bourdon tube indirectly displays the pressure of the measured medium through the movement, which is then shown by the pointer. "C" type Bourdon tubes can be used for measuring pressures up to 10MPa. For higher pressures, the Bourdon tube is made with multiple coils or spiral coils on the same plane.



技术参数Main Technical Specifications

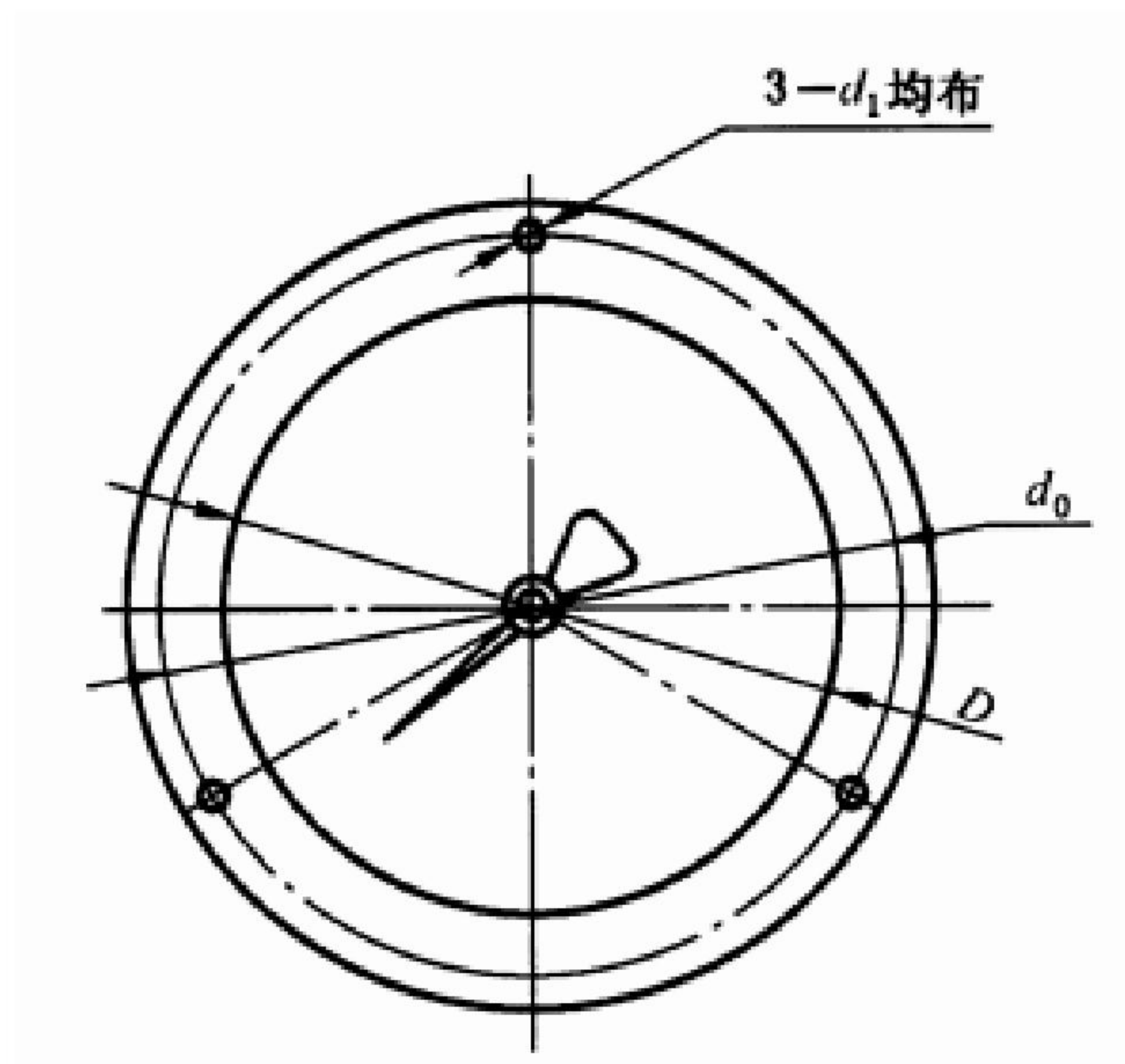
测量范围、测量精度
Measurement Range & Accuracy

型号 Item No.	测量范围 MPa Measurement Range	精确度等级 Accuracy Class
Y-60	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、-0.1~0.5、 -0.1~0.9、-0.1~1.5、-0.1~2.4、-0.1~3.9、-0.1~5.9、 0~0.6、0~1、0~1.6、0~2.5、0~4、0~6、0~10、 0~16、0~25、0~40、0~60	1.6, 2.5, 4.0
Y-100、Y-100Z、Y-100ZT Y-150、Y-150Z、Y-150ZT Y-200、Y-250	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、-0.1~0.5、 -0.1~0.9、-0.1~1.5、-0.1~2.4、-0.1~3.9、-0.1~5.9 0~0.6、0~1、0~1.6、0~2.5、0~4、0~6、0~10、 0~16、0~25、0~40、0~60、0~100、0~160、 0~250、0~400、0~600、0~1000	1.0, 1.6, 2.5, 4.0

防护等级：IP55
Protection Rating: Ip55

外形尺寸

Dimensions



外壳公称直径 D Nominal diameter of the shell	装配螺栓中心圆直径 d ₀ Center circular diameter of the mounting bolts	外壳螺栓孔直径 d ₁ Diameter of the bolt holes on the shell
40	50	4
60	72	5
100	118	6
150	165	6
200	215	6
250	272	7

选型指南

Selection Handbook

一般压力表Y- General Pressure Gauge Y-Series					
表盘直径 Dial Diameter					
Φ60	60				
Φ100	100				
Φ150	150				
Φ200	200				
Φ250	250				
安装方式 Installation Method					
径向直接安装 Radial Direct Mounting					
径向带后边凸装 Radial Mounting with Flange at the Back		T			
径向带前边嵌装 Radial Mounting with Flange at the Front		Q			
轴向直接安装 Axial Direct Mounting		Z			
轴向带后边凸装 Axial Mounting with Flange at the Back		ZT			
轴向带前边嵌装 Axial Mounting with Flange at the Front		ZQ			
过程连接 Process Connection					
M14×1.5					
M20×1.5					
G1/2					
1/2"NPT					
其它 Other		文字说明 Specify in text			
精度等级 Accuracy Class					
1.0					
1.6					
2.5					
4.0					
附件可选 Available Accessories					
阻尼器 Damping Device		ZN			
散热器 Heat Dissipater		SR			
过压保护器 Overpressure Protector		OP			
冷凝管 Subcooling Pipe		SP			
其它 Other		文字说明 Specify in text			