



YE01 Half Stainless Steel Capsule Pressure Gauge (60, 75, 100,150)



Bottom Connection, Direct Mounting



Center Back Connection, Direct Mounting

General Introduction

The YE01 half stainless steel capsule pressure gauge is made up with stainless steel case and copper alloy measuring element and wetted parts. It is suitable for measuring micro and vacuum pressure that do not corrode copper alloys and have no explosion hazard. It is widely used in equipment such as boiler ventilation and gas pipelines for site indication.

Working Principle

YE01 consists of a measuring system (including joints, corrugated diaphragm capsule), a transmission mechanism (including a lever and a gear), an indicator component (including a pointer and a dial) and an outer shell (including the case and glass). Under the pressure of the measuring medium, the surface of the corrugated diaphragm capsule comes up with an elastic deformation, which is then transmitted and amplified by the gear transmission mechanism. The measured pressure value is gradually indicated on the dial by the pointer fixed on the gear shaft.

Standard Specifications

Production Standard: EN837-3
 Measuring range: -60~60 kPa
 Ambient temperature: -40~60 °C
 Operation temperature: -40~200 °C
 Dial size: 60, 75, 100, 150 (mm)
 Measuring element: diaphragm capsule
 Case material: 304ss or 316ss
 Wetted material: Copper alloy

Dial: Aluminum, white background with black letters
 Window: Laminated safety glass
 Pointer: Fixed, aluminum, black
 Pointer stop pin: at the zero position
 Ingress Protection: IP64
 Accuracy: 1.6% or 2.5%
 Pressure limitation: 75% Full scale
 Over pressure protection: 1.2 full scale for 15 seconds



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YE01 Model Selection Table

Dial Size

60	60mm
75	75mm
100	100mm (4")
150	150mm (6")

Mounting Way

A	Bottom Connection, Direct Mounting	(60,75,100,150)
D	Center Back Connection, Direct Mounting	(60,75)
E	Center Back Connection, Panel Mounting	(60)
H	Lower Back Connection, Panel Mounting	(100)

Case Material

1	304ss	Standard (MOQ 1 Piece)
2	316ss	MOQ 300 pcs for 63mm MOQ 150 pcs for 100mm MOQ 100 pcs for 150mm

Case Filling Liquid

N	Dry (Standard)
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Accuracy

A	1.6
B	2.5

Process Connection

1	1/4"NPT(M)
2	1/2"NPT(M)
0	Other Size or Standard to be advised by customer_____

Measuring Range

XXX	Refer to Measuring Range
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Other Request

A	Customized logo
C	Calibration Certificate



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Model Selection Example:

YE01-100-A-1-N-B-2- 0~40kPa-C



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Measuring Range

kPa	mbar
0~1.6	0~16
0~2.5	0~25
0~4	0~40
0~6	0~60
0~10	0~100
0~16	0~160
0~25	0~250
0~40	0~400
0~60	0~600
-1.6~0	-16~0
-2.5~0	-25~0
-4~0	-40~0
-6~0	-60~0
-10~0	-100~0
-16~0	-160~0
-25~0	-250~0
-40~0	-400~0
-60~0	-600~0
-0.8~0.8	-8~8
-1.2~1.2	-12~12
-2~2	-20~20
-3~3	-30~30
-5~5	-50~50
-8~8	-80~80
-12~12	-120~120
-20~20	-200~200
-30~30	-300~300

Note:1. Other pressure scales are available at request. Please contact us for confirmation.