

YPM48 pressure transmission controller



◇ Overview said

YPM48 pressure transmission controller is a multi-functional product integrating pressure measurement, display and control. The product is an all-electronic structure, and the front end adopts a piezoresistive pressure sensor with an oil-filled core with an isolating membrane. The output signal is converted into a standard signal by a high-precision, low-temperature drift and high-reliability amplifier circuit. It is easy to use, easy to operate and easy to adjust. It is widely used in electric power, tap water, water treatment, petroleum, chemical, metallurgical and other industries. It measures, displays and controls the pressure of fluid medium, which is an ideal substitute for pointer gauge electric contact pressure gauge. product.

◇ special point

This product has LED display, analog output and relay contact output function, and has the characteristics of wide application range and convenient application.

The use of diffused silicon pressure sensor has high overload capability and strong anti-interference ability, which greatly improves the stability and reliability of the application.

Intelligent processing unit with high-performance microprocessor, high-precision A/D conversion circuit and temperature and pressure compensation

It has the characteristics of high measurement accuracy and good stability.

The alarm, correction and other parameter settings are directly operated by the controller operation panel, which makes the use more flexible.

◇ Main technical parameters

Measuring range: -0.1 ... 0 ~ 0.01 ... 100MPa within any range

Power supply voltage: AC220V or DC220V

Parameter Display: four LED display window settings and measurement parameters Number

Status Indication: six LED indicator shows the operating state of the alarm

Output out: 1 analog or RS485 and a 6 -way switch output current: . 4 ~ 20mA

Communication output: RS485 Modbus communication serial output

Installation outer diameter: ϕ 150mm , ϕ 120mm

In Drift: $\leq \pm 0.2\text{FS}$ precision degree: $\pm 0.5\%$

Overload capability: 1.5 times full scale pressure (instantaneous)

◆ 选型说明

YPM48	压力变送控制器		
代号	压力量程 KPa 或 MPa		
(0-X)KPa 或 MPa	-0.1-60MPa	X 为实际所需量程	
代号	输出信号		
E	4-20mA		
R	RS485ModbusRTU 通讯串口输出		
代号	结构材料		
	隔离膜片	接口	壳体
22	316L 不锈钢	不锈钢	铝合金
25	钽	不锈钢	不锈钢
35	钽	哈氏合金	不锈钢
代号	附加功能		
P	齐平膜片		
C1	M20×1.5 压力接口		
C3	G1/2 外螺纹接口		
G	表压型		
A	绝压型		
S	密封表压型		
代号	安装方式		
A	A 安装方式(省略)		
ZL	ZL 安装方式		
YPM48	(0-100KPa)	E	22 M ₃ C ₁ G ZL