



Principle characteristics

PS480 series digital pressure relay High precision diffused silicon measuring core, full electronic structure, accurate real-time pressure measurement, and has high accuracy, good long-term stability. Simple operation, easy installation, flexible product use. The product shell is made of 304 stainless steel material, good structural stability, good shock resistance, and can measure water pressure, air pressure, oil pressure, hydraulic pressure and other non-corrosive media of stainless steel. Suitable for equipment supporting, pressure protection, constant pressure control and other pressure monitoring and protection conditions.

- Highlighted LED real-time pressure display
- Super resistance to overpressure design, prevent the instrument from overpressure damage
- International pressure unit conversion

Technical parameter

◇ Measuring range: -100kPa ~ 0... 0 ~ 5kPa... 100MPa

◇ Accuracy level: 0.5 (default), 0.25

◇ Power supply voltage: 24VDC

◇ Pressure type: gauge pressure (default),
absolute pressure, negative pressure

◇ Display mode: 4-digit LED display

◇ Display range: -1999 ~ 9999

◇ Sampling frequency: 10ms

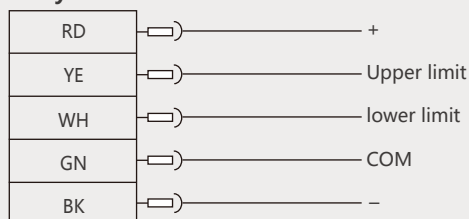
◇ Operating temperature: -20 ~ 70°C

◇ Long-term stability: $\pm 0.2\%$ FS/ year

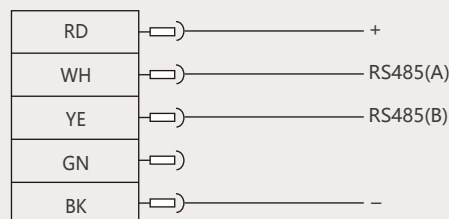
◇ Material: 304 stainless steel shell and joint,
316L stainless steel isolation diaphragm

Wiring diagram

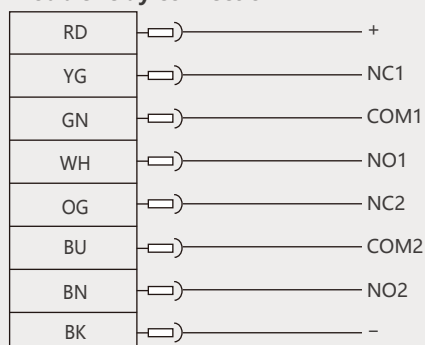
Relay connection



RS485

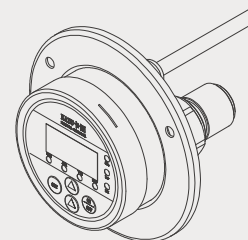
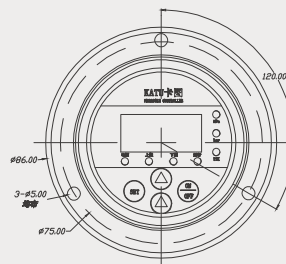
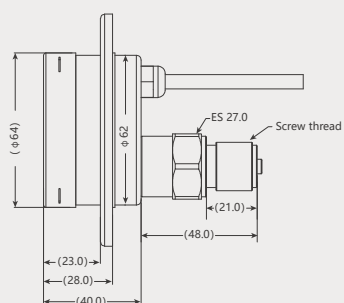


Double relay connection

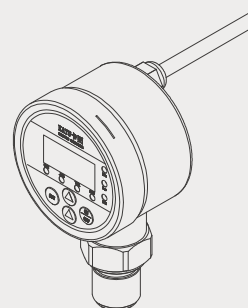
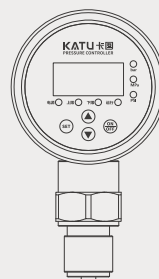
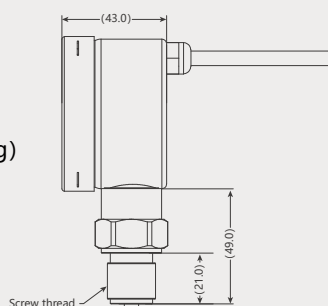


Dimension drawing (mm)

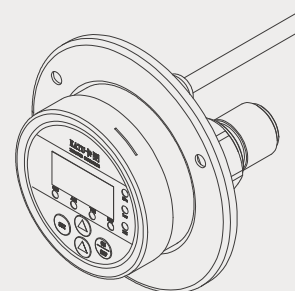
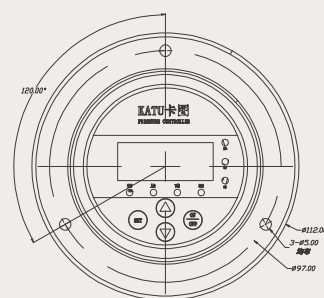
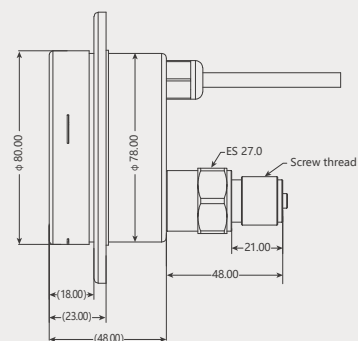
Diameter 60 (axial mounting)



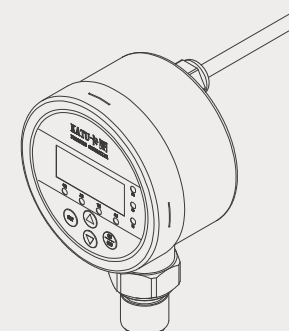
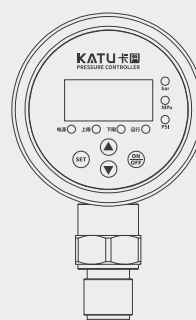
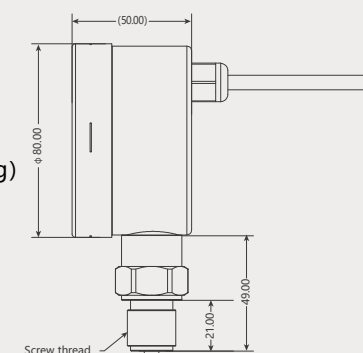
Diameter 60 (Radial mounting)



Diameter 80 (axial mounting)



Diameter 80 (Radial mounting)



Range code

Standard range	Gauge pressure code	Absolute pressure code	Standard range	Gauge pressure code	Standard range	Range code
0...50mbar	B005	A005	0...60bar	B60	-10...10KPa	F10
0...100mbar	B01	A01	0...100bar	B100	-50...50KPa	F50
0...350mbar	B035	A035	0...160bar	B160	-100...100KPa	F100
0...600mbar	B06	A06	0...250bar	B250	-100...0KPa	F110
0...1bar	B1	A1	0...400bar	B400	-100...500KPa	F150
0...2bar	B2	A2	0...600bar	B600	-100...900KPa	F190
0...6bar	B6	A6	0...1000bar	B1000		
0...10bar	B10	A10				
0...25bar	B25	A25				

Selection list

PS480-	6	R	D	B	M20	M	-	Instructions
PS480-								PS480 Digital Pressure Relay
	6							Dial diameter 60mm
	8							Dial diameter 80mm
		R						Radial type
		A						Axial type
			D					Output mode: Single relay (5 cores)
			S					Output mode: Dual relay (8 cores)
			R					Output mode: RS485 communication (4-cores) (Only 60 watch heads are available for selection)
			A P					Output mode: 2 PNP channels + 1 analog channel (not relay type)(Only 60 display heads are available)
			A N					Output mode: 2 NPN channels + 1 analog channel (not relay type)(Only 60 display heads are available)
				-				See range table
					M20			Process connection: M20*1.5 thread (installation thread default)
					G14			Process connection: G1/4 thread
					G12			Process connection: G1/2 thread
					R14			Process connection: R1/4 thread
					R38			Process connection: R3/8 thread
					N14			Process connection: NPT1/4 thread
					N12			Process connection: NPT1/2 thread
					M14			Process connection: M14*1.5 thread
						M		Male thread
						K		Internal thread
							-	Measurement accuracy: 0.5% (factory default)
							02	Measurement accuracy: 0.25%