



An overview of the

Based on the ceramic capacitor technology, when the pressure applied to the ceramic capacitor increases, the capacitance value increases, and the capacitance value is proportional to the pressure value.

The characteristics of

Strong overload ability, good stability, because of 0.1% full scale every year, strong anti-interference ability, high precision and repeatability, up to 0.1, 0.2, 0.5 level, ceramic measuring interface corrosion resistance. The flush film type can be used for viscous media. Zero and full scale can be adjusted on site. With LED display.

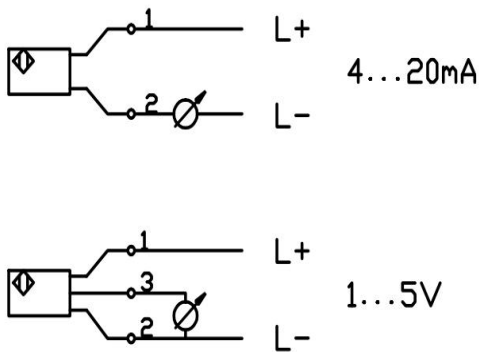
application

Gas - liquid dual purpose, can be used for hydraulic and pneumatic systems. Suitable for the following industries: steel industry/mechanical equipment/air compression industry/refrigeration and air conditioning/lifting and traditional series.

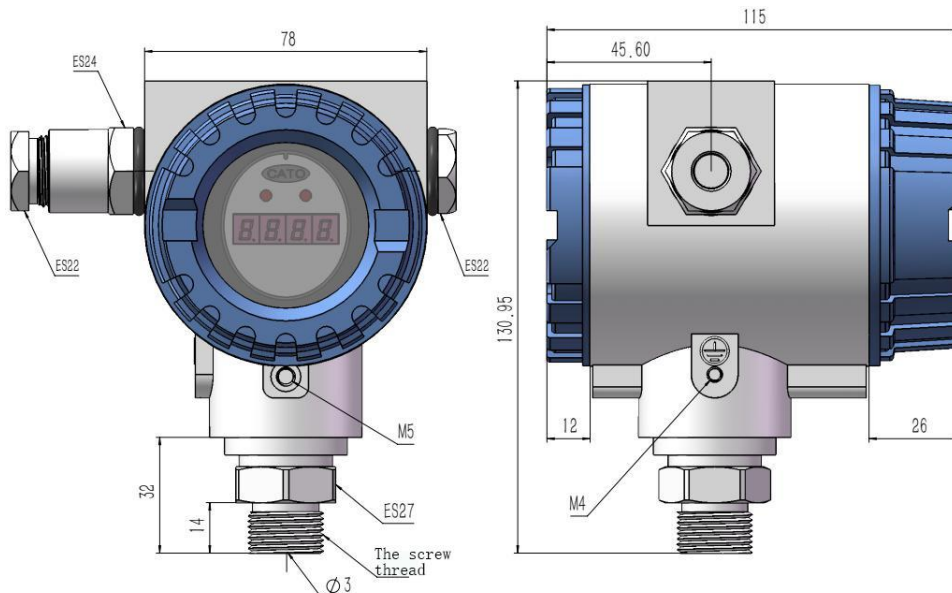
Technical parameters

- ◆ Range: See the table below
- ◆ Degree grade: 0.1%, 0.2%, 0.5% optional
- ◆ Linearity: $\pm 0.2\%$ or $\pm 0.5\%$
- ◆ Hysteresis: $\pm 0.01\%$ full scale
- ◆ Repeatability: 0.1% full scale
- ◆ Stability: better than 0.01% per year
- ◆ Temperature effect: $< \pm 0.02\%FS/K$
- ◆ Response time: $< 5ms$ (10% to 90% range)
- ◆ Operating voltage: 10... 36DC
- ◆ Load resistance: 1K
- ◆ Current consumption: Signal current (two-wire type), 8mA(three-wire type)
- ◆ The environment temperature : -30...85
- ◆ Medium temperature: -30... 80
- ◆ Storage temperature: -30... 85
- ◆ Protection level: IP65
- ◆ Shell material: Die cast aluminum

The wiring diagram



The wiring diagram



Range of code

Standard range code gauge (relative pressure)

The standard range	code
-1...0bar	NO
-1...1bar	N1
-1...3bar	N3
-1...24bar	N24
0...1bar	P1
0...2bar	P2
0...35bar	P3.5
0...5bar	P5
0...7bar	P7
0.10bar	P10

The standard range	code
0...20bar	P20
0...35bar	P35
0...70bar	P70
0...100bar	P100
0...150bar	P150
0...175bar	P175
0...200bar	P200
0...275bar	P275
0...300bar	P300

Standard range code gauge (absolute pressure)

The standard range	code
0...1bar	A1
0...2bar	A2
0...54bar	A5
0...7bar	A7
0...10bar	A10
0...20bar	A20
0...35bar	A35

The standard range	code
0...70bar	A70
0...100bar	A100
0...150bar	A150
0...175bar	A175
0...200bar	A200
0...275bar	A275
0...300bar	A300

note : 1bar=1.02kg/cm=0.1Mpa

If the required range is not in the list of standards, please indicate when ordering, can be calibrated according to customer requirements. For example: required range 0... For 25bar products, the range code can be written as P25

Selection table

PD40-	P20	E	2	2	R	detailed
PD40						PD40 series universal pressure transmitter
	P20					Range code (available from range code table)
		N				No hint
		E				With LED display head
		S				Special design
			2			The accuracy level is 0.2
			5			Accuracy level 0.5
				M4		Analog output signal 4... 20mA
				V1		Analog output signal 1... 5mV
				S		Special design
					R	Connection: external thread G1/2
					B	Connection: male thread M20 × 1.5
					S	Special design

Prompt order

After the selection is completed, please check the information again to avoid selection errors!

- 1: Whether the model is consistent with your requirements
- 2: whether the range is correct
- 3: Whether the type and quantity of output signals are correct
- 4: Whether there are optional, missing accessories