



# P064

High accuracy, anti-interference ability.  
For electric power and machinery  
manufacturing process control.  
Measuring liquid, gas, vapor, liquid level.

## | Features |

- Advanced monocrystalline silicon differential pressure sensor adopted
- Wide range covering: 0.1 ... 25 bar
- Measure liquid, gas, steam, liquid level
- 2-wire, 4 ... 20 mA+HART® protocol digital communication(10.5 ... 36 V, Typical 24 V)
- LCD, backlight display, remote transmission and local zero, span adjustment
- High accuracy, good stability, stainless steel housing
- IP rating: IP65
- Strong resistance to frequency conversion interference
- High static pressure, high overpressure protection
- Diaphragm with patented double overpressure protection design
- Lightning protection circuit design

## | Introduction |

The **P064** digital differential pressure / pressure transmitter is a well-developed high-performance pressure transmitter adopting advanced monocrystalline silicon pressure sensor technology. The product uses a diaphragm with double overpressure protection design and internal circuit with anti-surge protection design. It can accurately measure differential pressure, flow, vacuum, liquid level, and density.



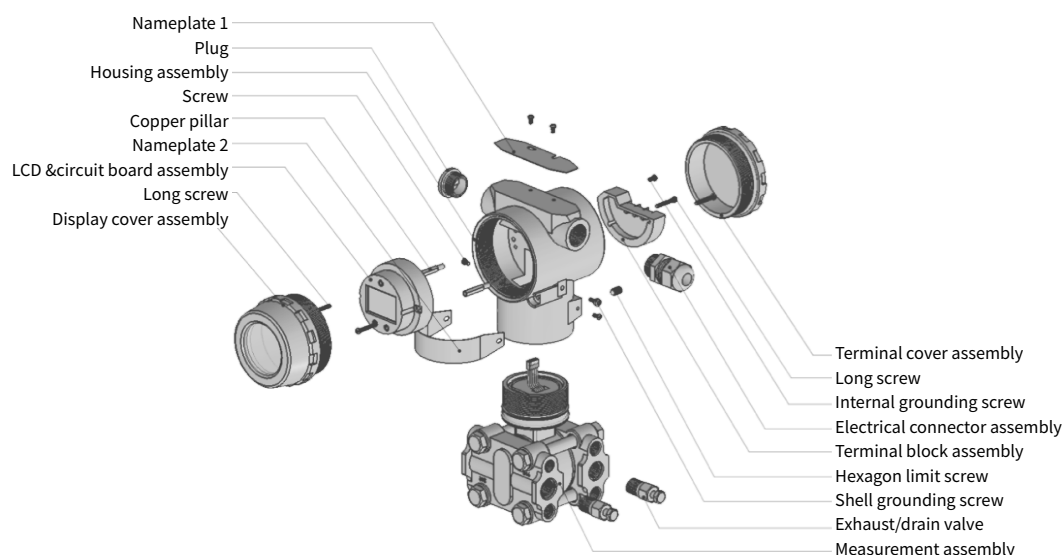
### Application :

Process control areas in industries of  
petroleum / Chemical / Metallurgy /  
Electric power / Food / Papermaking /  
Medicine / Machinery manufacturing /  
Scientific experiments / Aviation and  
military

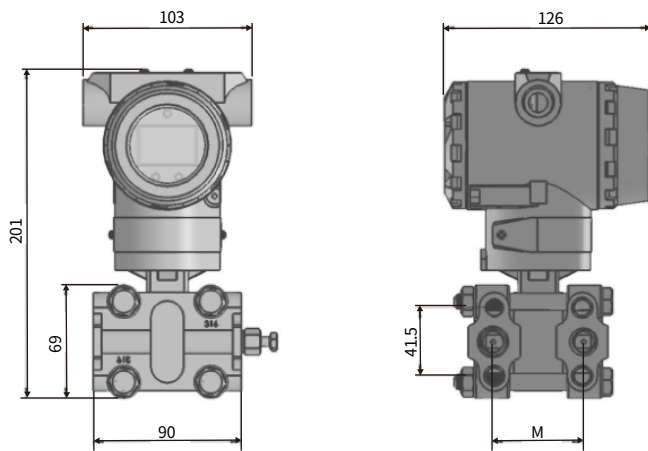


### | Specification |

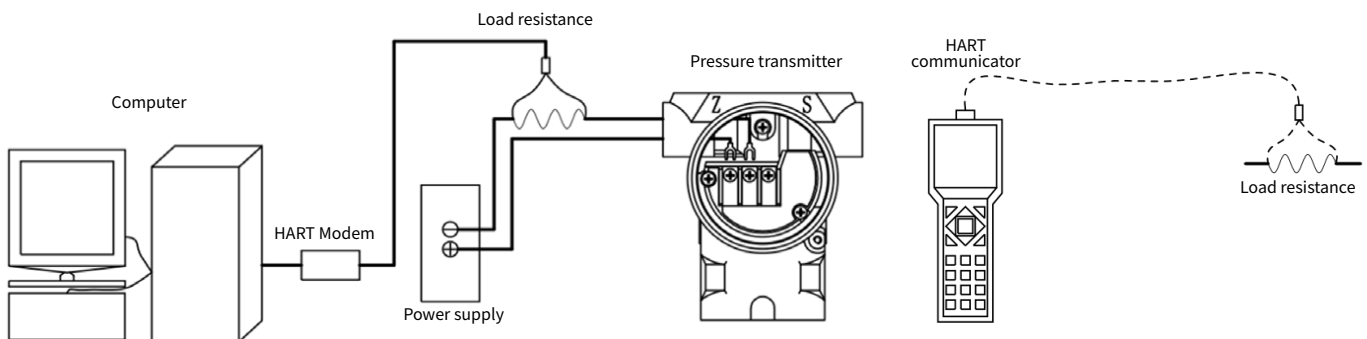
Item		Function & Parameter
Measuring range		0.1 ... 25 bar
Pressure type		Differential pressure
Power output		4 ... 20 mA+HART®(10.5 ... 36 V, typical 24 V)
Accuracy		±0.075%F.S.; ±0.1%F.S.(typ.); ±0.2%F.S.
Zero Temp. coefficient		±0.25%F.S./55°C
Full scale Temp. effect		±0.5%F.S./55°C
Operating environment Temp.		-30 ... 80°C; LCD: -30 ... 70°C
Medium Temp.		-40 ... 104°C
Storage Temp.		-40 ... 85°C
Insulation resistance		≥100MΩ / DC 500 V(200 MΩ / DC 250 V)
IP rating		IP65
Static pressure range		70 bar, 250 bar, 400 bar
Overvoltage limit		160 bar
Long-term stability		±0.2%F.S./year
Fixed frame		Tube bending bracket / Plate bending bracket / Tube mounting bracket
Structural properties	Diaphragm material	316L
	Exhaust / Drain valve	316 Stainless steel
	O-ring	Nitrile Butadiene Rubber(NBR)(Contact measuring medium)
	Filling oil	Silicon oil
	Flange and fittings	304 Stainless steel
	Housing material	Die-cast aluminum epoxy coating
	Electrical connection	M20x1.5
	Process connection	Outside thread: M20x1.5 with welded pipe ∅ G 1/2 with welded pipe ∅ G 1/4 ∅ NPT 1/2 Inside thread: NPT 1/4 ∅ NPT 1/2
	Weight	3.5 kg(without accessories)



### Dimension | Unit:mm

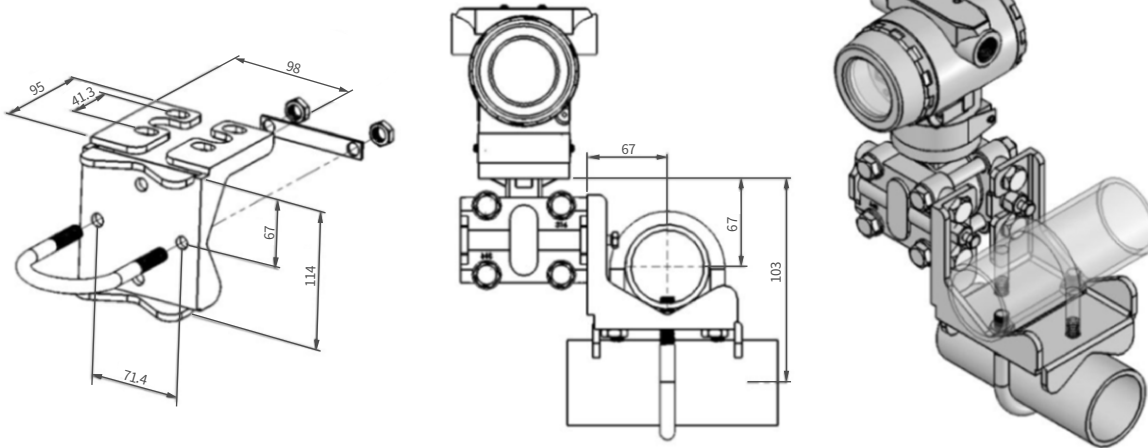


### HART Communication Connection Diagram |

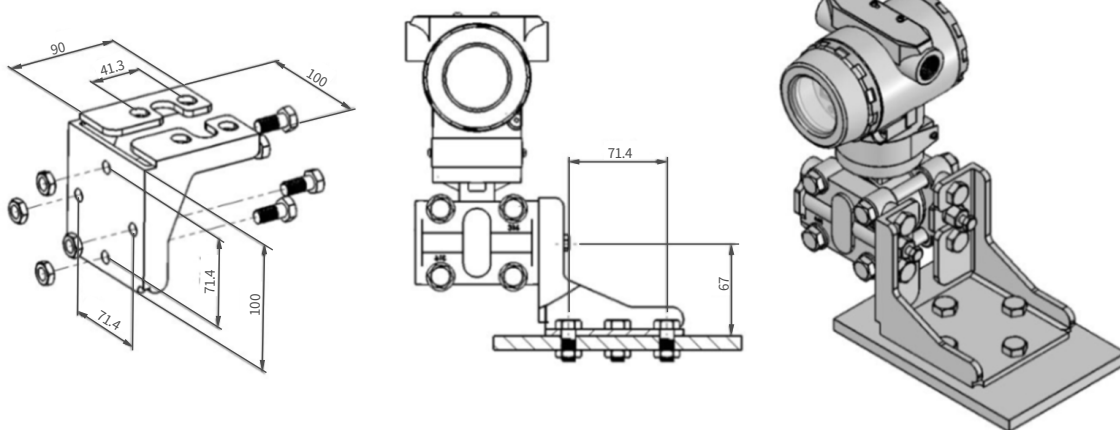


## | Optional Accessories |

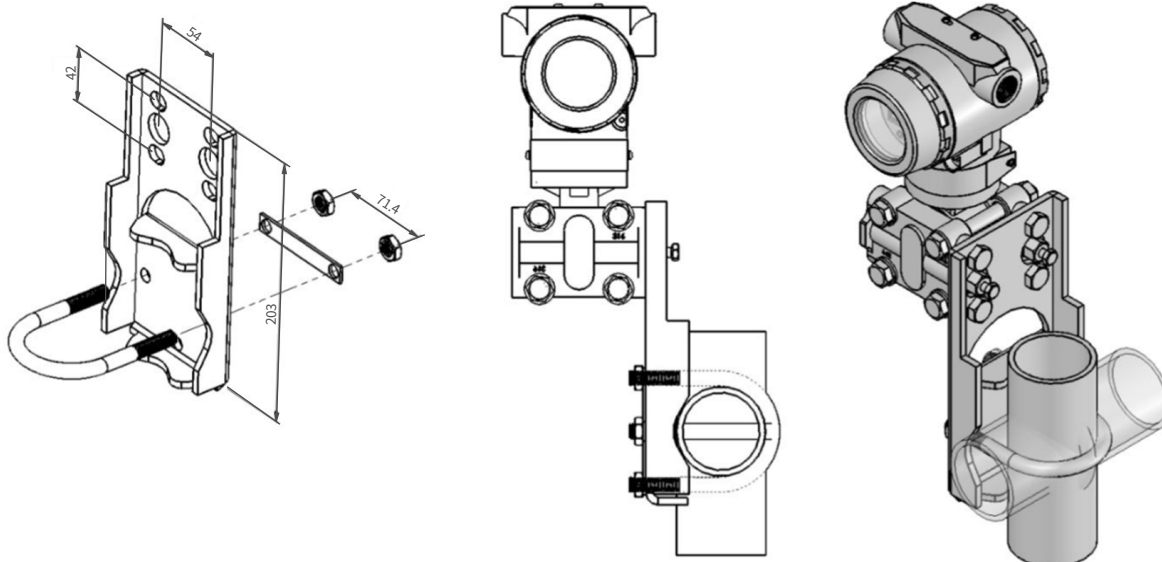
### 【1.B1 Tube bending bracket】



### 【2.B2 Plate bending bracket】



### 【3.B3 Tube mounting bracket】



## | Ordering Guide |

	Range	Output	Electrical connector
P064 -	06	2	2
	01:0.1 bar	1:M20x1.5(Outside thread) with welded pipe	N: No
	02:0.2 bar	2:G 1/2(Outside thread) with welded pipe	1: Tube bending bracket
	04:0.4 bar	3:G 1/4(Outside thread)	2: Plate bending bracket
	06:0.6 bar	4:NPT 1/4(Inside thread)	3: Tube mounting bracket
	11:1.0 bar	5:NPT 1/2(Outside thread)	
	13:2.5 bar	6:NPT 1/2(Inside thread)	
	14:4.0 bar		
	16:6.0 bar		
	21:10 bar		
	22:16 bar		
	23:25 bar		