

LCD DISPLAY INTELLIGENT FLUSH DIAPHRAGM PRESSURE

EPD 26

“Flush Diaphragm, Modbus RTU or 4...20 mA/HART Output”



- Different pressure range options from 0...100 mbar to 0...100 bar (e.g., 0...100 mbar, 0...16 bar, etc.)
- SS316L isolation diaphragm construction
- Easy configuration via LCD module buttons
- 4...20 mA/HART or MODBUS RTU output
- 4...20 mA/HART output model: Backlit LCD with 5 digits and 4 decimal places
- MODBUS RTU output model: Backlit LCD with 6 digits and 5 decimal places
- Multiple measurement units selectable and configurable via the menu
- IP65 protection rating

Made in
Türkiye

The EPD 26 series is an LCD-display flush diaphragm pressure transmitter suitable for use in food, beverage, pharmaceutical, and bioengineering applications. The fully metallic flush-mounted isolation diaphragm is directly welded to the process connection, providing a precise and reliable connection between the process line and the measuring diaphragm. This design eliminates the need for additional sealing gaskets and prevents the formation of dead zones in the measurement area.

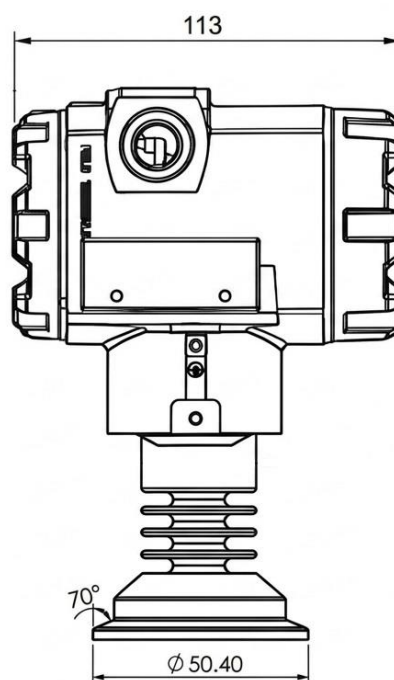
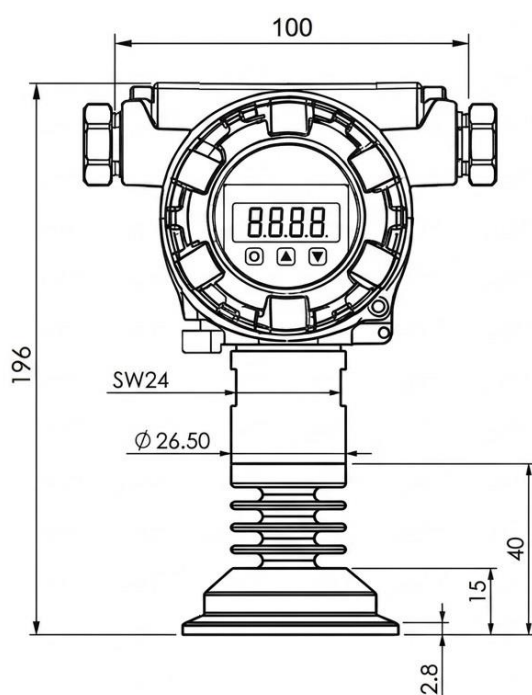
The 316L stainless steel flush diaphragm completely isolates the measuring medium from the pressure sensor. The process pressure is statically transferred from the diaphragm to the piezoresistive sensor through a hygienic-grade filling fluid. The integrated LCD display allows the measured pressure value to be monitored directly and easily.

4...20mA/HART OUTPUT MODEL

Mechanical and Environmental Features	
Working and Storage Temperature	-30°C ... +70°C
Protection Class	IP65
Weight	~1.2 kg
Material	Display: ADC12 Aluminum Alloy Transmitter: 316L Stainless Steel

General Features	
Measurement Range	Different options from 0...100 mBar to 0...100 Bar (See page4 "pressure range selection") Exp: 0...100mbar / 0...200mbar / 0...1bar / 0...16bar / 0...100bar etc.
Output Signal	4...20 mA/HART
Supply Voltage	12–32 VDC (24 VDC recommended)
On-Site Configuration	3 buttons; all parameters can be adjusted on-site
Static Pressure	100Bar (max.)
Accuracy	±%0,2 FS @25°C
Response Time	1 ms (up to 90% FS)
Service Life	≥ 10 × 10 ⁶ pressure cycles
EMC – Interference	IEC 61000-6-3
EMC – Immunity	IEC 61000-6-2
Insulation Resistance	200MΩ/250VDC
Maximum Installation Torque	25Nm
Display	5-digit, backlit LCD display with 4 decimal places
Units	H2O, inHg, ftH2O, mmH2O, mmHg, psi, bar, mbar, g/cm ² , kg/cm ² , Pa, kPa, Torr, atm, Mpa, mH2O, mHg, m, mm, cm, %, mA, g/cm ³
Sampling Rate	>20 times/s
Display Interface	English and Chinese; pressure, temperature, current, percentage
Output Resolution	1μm
Temperature Compensation	Better than 0.5%
Linearity	Full-scale linearity: Better than 0.2% (Multi-point calibration is available when required.)
Stability	0.2%/year
Interference Protection	Power isolation, signal isolation (magnetic isolation), electrical isolation
Rangeability	100:1
Circuit Protection	Overcurrent protection, reverse polarity protection
Circuit Design	Intrinsically safe
Insulation Resistance	>200MΩ
Mainboard Button Functions	Reset, low-pressure calibration, high-pressure calibration (full-scale calibration)
LCD Button Functions	Span units, decimal point, damping time, current hold, output configuration, calibration (low-point and full-scale calibration), language setting, ambient density, and factory reset

MECHANICAL DIMENSIONS (mm)



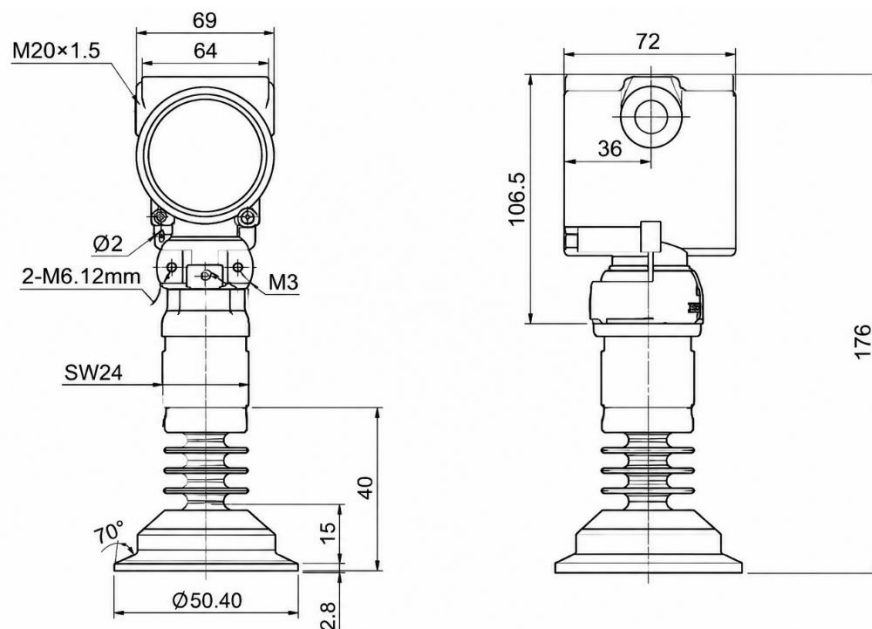


Connections	
TERMINAL 1	+V (12...32VDC)
TERMINAL 2	-V
TERMINAL 3	4...20mA/HART

MODBUS OUTPUT MODEL

Mechanical and Environmental Features	
Working and Storage Temperature	-30°C ... +70°C
Protection Class	IP65
Weight	~2.6 kg
Material	Display: ADC12 Aluminum Alloy Transmitter: 316L Stainless Steel
General Features	
Measurement Range	Different options from 0...100 mBar to 0...100 Bar (See page4 "pressure range selection") Exp: 0...100mbar / 0...200mbar / 0...1bar / 0...16bar / 0...100bar etc.
Output signal	MODBUS RTU
Supply voltage	18-36VDC (24VDC recommended)
Site operation	3 buttons; all parameters can be adjusted on-site
Static Pressure	100Bar (max.)
Accuracy	±%0,2 FS @25°C
Response Time	1 ms (up to 90% FS)
Service Life	≥ 10 × 10 ⁶ pressure cycles
EMC – Interference	IEC 61000-6-3
EMC – Immunity	IEC 61000-6-2
Insulation Resistance	200MΩ/250VDC
Maximum Installation Torque	25Nm
Display	LCD with backlight, displaying 6 bits, and 5 decimal places
Units	KPa, Pa, MPa, mmH ₂ O, mH ₂ O, mbar, bar, PSI, M,%
RS-485 Communication Protocol	Modbus-RTU
RS-485 Communication Rate	1200 bps
Sampling Rate	>20 times/s
Display Interface	English and Chinese; pressure, current, percentage
Linearity	Complete machine linearity is better than 0.2% (Multi-point calibrating is available as required)
Stability	%0.2/year
Anti-disturbance	Power isolation, signal isolation (magnetic isolation), electrical isolation
Range Ratio	10:1
Circuit Protection	Surge current protection, reverse power protection
Circuit Design	Intrinsic safety
Isolation Range	>200MΩ
Motherboard Buttons Operation	reset, lower range calibration(zero drift under pressure source), upper range
LCD Buttons Operation	changing machine address (0-255), units, decimal place, damping time and zero clearing

MECHANICAL DIMENSIONS (mm)



PRESSURE RANGE SELECTION

Code	Pressure Range	Overpressure	Burst Pressure
100mBar	0~0,1 Bar	%300FS	%600FS
200mBar	0~0,2 Bar	%300FS	%600FS
350mBar	0~0,35 Bar	%300FS	%600FS
700mbar	0~0,7 Bar	%300FS	%600FS
1Bar	0~1 Bar	%200FS	%500FS
1,6Bar	0~1,6 Bar	%200FS	%500FS
2,5Bar	0~2,5 Bar	%200FS	%500FS
4Bar	0~4 Bar	%200FS	%500FS
6Bar	0~6 Bar	%200FS	%500FS
10Bar	0~10 Bar	%200FS	%500FS
16Bar	0~16Bar	%200FS	%500FS
25Bar	0~25 Bar	%200FS	%500FS
40Bar	0~40 Bar	%200FS	%400FS
60Bar	0~60 Bar	%200FS	%400FS
100Bar	0~100 Bar	%200FS	%400FS

ELECTRICAL CONNECTION



Connections	
TERMINAL 1	-V
TERMINAL 2	+V (18...36VDC)
TERMINAL 3	RS485-A
TERMINAL 4	RS485-B

ORDER CODE

Model

EPD26

XXX

Output Signal

MR : MODBUS RTU
H: 4...20mA/HART

XX

Pressure Range

Different models from 100
mbar to 100 bar

*See page4 "pressure
range selection"

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