

P3xx / PD3xx / P4x

HYDROSTATIC LEVEL SENSORS



P3xx



P3xx works by measuring the water pressure which is proportional to the water level in a tank.

The output is a standard two-wire, 4-20 mA current loop.

The sensor needs an **air isolated mounting** method. The position of the sensor should be above the highest water level.

PD3xx



PD3xx works by measuring the water pressure which is proportional to the water level in a tank.

The output is a standard two-wire, 4-20 mA current loop.

Stainless Steel diaphragm is compatible with chemicals used in textile finishing industry, which **enables this sensor to be mounted directly in the process**. This approach eliminates recalibration problems related with bubbling type air isolated sensors.

P4x



P4x works by measuring the water pressure which is proportional to the water level in a tank.

The output is a standard two-wire, 4-20 mA current loop.

P4x needs an **air isolated mounting** method. It is mounted to the DIN-rail in the panel. The position of the sensor should be above the highest water level.

Input	P300 0-100 mBar P320 0-200 mBar P330 0-300 mBar P340 0-400 mBar P350 0-500 mBar	PD300 0-100 mBar PD320 0-200 mBar PD330 0-300 mBar PD340 0-400 mBar PD350 0-500 mBar	P40 0-100 mBar P42 0-200 mBar P43 0-300 mBar P44 0-400 mBar P45 0-500 mBar
Media Isolation	Air	316 SS diaphragm	Air
Output	4-20 mA	4-20 mA	4-20 mA
Excitation Voltage	24 V DC (18-30 V DC)	24 V DC (18-30 V DC)	24 V DC (18-30 V DC)
Load Driving (max)	500 Ohm (24 V DC)	500 Ohm (24 V DC)	500 Ohm (24 V DC)
Operating Temperature	0 - 60 °C	0 - 60 °C (environment) 0 - 100 °C (media-diaphragm)	0 - 60 °C
Over Pressure	750 mBar	600 mBar (PD300/320) 1500 mBar (PD330/340/350)	750 mBar
Linearity	< 1%	< 1%	< 1%
Mechanical Connection	1/4" BSP	1/2" BSP	Rail Type
Weight	145 gr	200 gr	80 gr
Cable Length	2 m	2 m	2 m
Environmental Rating	IP65	IP65	IP40

Sealing O-ring: EPDM

Tube Diameter: 6 mm

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