

# 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.

	P3xx	PD3xx	P4x
<b>Input</b>	<b>P300</b> 0-100 mBar <b>P320</b> 0-200 mBar <b>P330</b> 0-300 mBar <b>P340</b> 0-400 mBar <b>P350</b> 0-500 mBar	<b>PD300</b> 0-100 mBar <b>PD320</b> 0-200 mBar <b>PD330</b> 0-300 mBar <b>PD340</b> 0-400 mBar <b>PD320</b> 0-500 mBar	<b>P40</b> 0-100 mBar <b>P42</b> 0-200 mBar <b>P43</b> 0-300 mBar <b>P44</b> 0-400 mBar <b>P42</b> 0-500 mBar
<b>Media Isolation</b>	Air	316 SS diaphragm	Air
<b>Output</b>	4-20 mA	4-20 mA	4-20 mA
<b>Excitation Voltage</b>	24 V DC (18-30 V DC)	24 V DC (18-30 V DC)	24 V DC (18-30 V DC)
<b>Load Driving (max)</b>	500 Ohm (24 V DC)	500 Ohm (24 V DC)	500 Ohm (24 V DC)
<b>Operating Temperature</b>	0 - 60 °C	0 - 60 °C (environment) 0 - 100 °C (media-diaphragm)	0 - 60 °C
<b>Over Pressure</b>	750 mBar	600 mBar (PD300/320) 1500 mBar (PD330/340/350)	750 mBar
<b>Linearity</b>	< 1%	< 1%	< 1%
<b>Mechanical Connection</b>	1/4" BSP	1/2" BSP	Rail Type
<b>Weight</b>	145 gr	200 gr	80 gr
<b>Cable Length</b>	2 m	2 m	2 m
<b>Environmental Rating</b>	IP65	IP65	IP40
		<b>Sealing O-ring: EPDM</b>	<b>Tubing Diameter: 6 mm</b>

