

## PS600 series – For viscous media or contamination

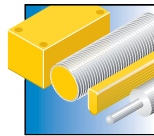


The PS600 series operates with a front-flush mounted diaphragm system. Pressure exerted on the stainless steel diaphragm is transmitted via the filling medium to the measuring cell's ceramic base. Depending on the sensor type used, the processed signal is either provided at a switching or an analog output. IO-Link is standard. Thanks to a front-flush or dead-space free diaphragm and an accuracy of 0.5% f.s., the sensors can be securely connected to the process in many different ways.

### Features

- IO-Link capable
- Front-flush and dead-space free process connections
- 4-digit 7-segment display
- Measuring range -1...400 bar relative pressure
- Measuring range 0...25 bar absolute pressure
- Stainless steel housing
- Permanent display of pressure (bar, psi, kPa, MPa, misc)

### Properties



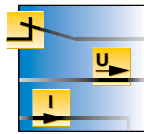
#### Designs

Cylindrical design, non-rotatable, with display



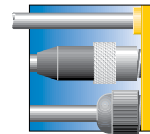
#### Measuring ranges

-1...600 bar rel.



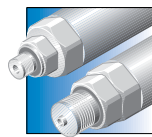
#### Electrical versions

IO-Link capable, 2-channel, switching, current or voltage output



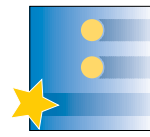
#### Electrical connections

Male M12 x 1, 4-pin



#### Connectivity

G1/2" and G3/4" front-flush process connections



#### Special features

Failsafe 3-key operation, VDMA menu guide (optional), IP67, fully potted sensor



#### Internet link

Scan the QR code to access our products on the internet

## G3/4" – Front-flush diaphragm – 2 switching outputs



<b>General data</b>			
<b>Output 1</b>	Switching output or IO-Link mode	<b>Output 2</b>	switching output
<b>Protection class</b>	IP67	<b>Connection</b>	male, M12 x 1
<b>Mechanical connection</b>	G 3/4" front-flush	<b>Medium temperature</b>	-10...85 °C
<b>Operating voltage</b>	18...30 VDC	<b>Response time</b>	3 ms
<b>Housing material</b>	1.4305 (AISI 303)/PC	<b>Switching frequency</b>	180 Hz
<b>Accuracy switching output</b>	0.5 % v. E. BSL		

### Types and data – selection table

Type	Relative pressure	Admissible overpressure	w	d
PS01VR-606-2UPN8X-H1141	-1...0 bar rel.	3 bar	w159	d631
PS001R-606-2UPN8X-H1141	0...1 bar rel.	3 bar	w159	d631
PS001V-606-2UPN8X-H1141	-1...1 bar rel.	3 bar	w159	d631
PS003V-606-2UPN8X-H1141	-1...2.5 bar rel.	7 bar	w159	d631
PS010V-606-2UPN8X-H1141	-1...10 bar rel.	25 bar	w159	d631
PS016V-606-2UPN8X-H1141	-1...16 bar rel.	40 bar	w159	d631
PS025V-606-2UPN8X-H1141	-1...25 bar rel.	65 bar	w159	d631
PS040V-606-2UPN8X-H1141	-1...40 bar rel.	100 bar	w159	d631
PS100R-606-2UPN8X-H1141	0...100 bar rel.	250 bar	w159	d631
PS250R-606-2UPN8X-H1141	0...250 bar rel.	625 bar	w159	d631
PS400R-606-2UPN8X-H1141	0...400 bar rel.	900 bar	w159	d631

## G3/4" – Front-flush diaphragm – Switching and analog output



<b>General data</b>			
<b>Output 1</b>	Switching output or IO-Link mode	<b>Protection class</b>	IP67
<b>Connection</b>	male, M12 x 1	<b>Mechanical connection</b>	G 3/4" front-flush
<b>Medium temperature</b>	-10...85 °C	<b>Operating voltage</b>	18...30 VDC
<b>Response time</b>	3 ms	<b>Housing material</b>	1.4305 (AISI 303)/PC
<b>Switching frequency</b>	180 Hz	<b>Accuracy switching output</b>	0.5 % v. E. BSL
<b>Accuracy LHR analog output</b>	0.5 % of final value BSL		

### Types and data – selection table

Type	Relative pressure	Admissible overpressure	Output 2	Operating range	w	d
PS01VR-606-LI2UPN8X-H1141	-1...0 bar rel.	3 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS001R-606-LI2UPN8X-H1141	0...1 bar rel.	3 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS001V-606-LI2UPN8X-H1141	-1...1 bar rel.	3 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS003V-606-LI2UPN8X-H1141	-1...2.5 bar rel.	7 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS010V-606-LI2UPN8X-H1141	-1...10 bar rel.	25 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS016V-606-LI2UPN8X-H1141	-1...16 bar rel.	40 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS025V-606-LI2UPN8X-H1141	-1...25 bar rel.	65 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS040V-606-LI2UPN8X-H1141	-1...40 bar rel.	100 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631

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Type	Relative pressure	Admissible overpressure	Output 2	Operating range	w	d
PS100R-606-LI2UPN8X-H1141	0...100 bar rel.	250 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS250R-606-LI2UPN8X-H1141	0...250 bar rel.	625 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS400R-606-LI2UPN8X-H1141	0...400 bar rel.	900 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d631
PS01VR-606-LUUPN8X-H1141	-1...0 bar rel.	3 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS001R-606-LUUPN8X-H1141	0...1 bar rel.	3 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS001V-606-LUUPN8X-H1141	-1...1 bar rel.	3 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS003V-606-LUUPN8X-H1141	-1...2.5 bar rel.	7 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS010V-606-LUUPN8X-H1141	-1...10 bar rel.	25 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS016V-606-LUUPN8X-H1141	-1...16 bar rel.	40 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS025V-606-LUUPN8X-H1141	-1...25 bar rel.	65 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS040V-606-LUUPN8X-H1141	-1...40 bar rel.	100 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS100R-606-LUUPN8X-H1141	0...100 bar rel.	250 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS250R-606-LUUPN8X-H1141	0...250 bar rel.	625 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631
PS400R-606-LUUPN8X-H1141	0...400 bar rel.	900 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d631

## G1/2" – Front-flush diaphragm – 2 switching outputs



### General data

<b>Output 1</b>	Switching output or IO-Link mode	<b>Output 2</b>	switching output
<b>Protection class</b>	IP67	<b>Connection</b>	male, M12 x 1
<b>Mechanical connection</b>	G 1/2" front-flush	<b>Medium temperature</b>	-10...85 °C
<b>Operating voltage</b>	18...30 VDC	<b>Response time</b>	3 ms
<b>Housing material</b>	1.4305 (AISI 303)/PC	<b>Switching frequency</b>	180 Hz
<b>Accuracy switching output</b>	0.5 % v. E. BSL		

### Types and data – selection table

Type	Relative pressure	Admissible overpressure	w	d
PS010V-609-2UPN8X-H1141	-1...10 bar rel.	25 bar	w159	d632
PS016V-609-2UPN8X-H1141	-1...16 bar rel.	40 bar	w159	d632
PS025V-609-2UPN8X-H1141	-1...25 bar rel.	65 bar	w159	d632
PS040V-609-2UPN8X-H1141	-1...40 bar rel.	100 bar	w159	d632
PS100R-609-2UPN8X-H1141	0...100 bar rel.	250 bar	w159	d632
PS250R-609-2UPN8X-H1141	0...250 bar rel.	625 bar	w159	d632
PS400R-609-2UPN8X-H1141	0...400 bar rel.	900 bar	w159	d632

## G1/2" – Front-flush diaphragm – 1 switching and 1 voltage output



### General data

<b>Output 1</b>	Switching output or IO-Link mode	<b>Protection class</b>	IP67
<b>Connection</b>	male, M12 x 1	<b>Mechanical connection</b>	G 1/2" front-flush
<b>Medium temperature</b>	-10...85 °C	<b>Operating voltage</b>	18...30 VDC
<b>Response time</b>	3 ms	<b>Housing material</b>	1.4305 (AISI 303)/PC
<b>Switching frequency</b>	180 Hz	<b>Accuracy switching output</b>	0.5 % v. E. BSL
<b>Accuracy LHR analog output</b>	0.5 % of final value BSL		

### Types and data – selection table

Type	Relative pressure	Admissible overpressure	Output 2	Operating range	w	d
PS010V-609-LI2UPN8X-H1141	-1...10 bar rel.	25 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS016V-609-LI2UPN8X-H1141	-1...16 bar rel.	40 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS025V-609-LI2UPN8X-H1141	-1...25 bar rel.	65 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS040V-609-LI2UPN8X-H1141	-1...40 bar rel.	100 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS100R-609-LI2UPN8X-H1141	0...100 bar rel.	250 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS250R-609-LI2UPN8X-H1141	0...250 bar rel.	625 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS400R-609-LI2UPN8X-H1141	0...400 bar rel.	900 bar	Analog or switching output	4...20/0...20 mA (3-wire)	w160	d632
PS010V-609-LUUPN8X-H1141	-1...10 bar rel.	25 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS016V-609-LUUPN8X-H1141	-1...16 bar rel.	40 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS025V-609-LUUPN8X-H1141	-1...25 bar rel.	65 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS040V-609-LUUPN8X-H1141	-1...40 bar rel.	100 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS100R-609-LUUPN8X-H1141	0...100 bar rel.	250 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS250R-609-LUUPN8X-H1141	0...250 bar rel.	625 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632
PS400R-609-LUUPN8X-H1141	0...400 bar rel.	900 bar	analog output	0...10 V, 0...5 V (3-wire)	w161	d632