

- **Stainless-steel diaphragm**
- **Measurement ranges up to 2000bar**
- **Multiple pressure-connection options**
- **Switch-type output: low-side, high-side and push-pull options**
- **Accuracy 0.5%**
- **Environmentally robust**

A thin-film, semiconductor measuring element bonded to a stainless-steel diaphragm ensures excellent sensor performance in terms of long-term stability, measured-media compatibility and pressure peaks; so making the PPS10E suitable for use in a wide range of industrial applications. Overall robustness, even in the most challenging of hydraulic applications, is assured through the unit's welded stainless-steel housing.

The output is an electronic-switch type using NPN or PNP transistors, or a combination of both; so providing options of low-side, high-side and push-pull signals at a rating of 1A.



## STANDARD CONFIGURATIONS

<b>MEASUREMENT RANGE (bar)</b>	0.6	1	1.6	2	2.5	4	6	10
	16	20	25	40	60	100	160	200
	250	400	600	1000	1600	2000		
<b>PRESSURE MODE</b>	Gauge							
<b>PRESSURE CONNECTION</b>	G 1/4 A	G 1/4 B	G 1/2 B			1/4 NPT		
<b>ELECTRICAL OUTPUT</b>	npn or pnp							
<b>ELECTRICAL CONNECTION</b>	MVC/A	MVC/C	Male M16x0.5 - S723			Male M12x1 - S763		

## SPECIFICATIONS

### ACCURACY

AT 20°C	0.5% of measurement range. Includes non-linearity, hysteresis, zero offset and final offset in accordance with IEC 61298-2
BEST-FIT STRAIGHT LINE	0.125%
NON-LINEARITY	0.15% of measurement range
REPEATABILITY	0.1% of measurement range
STABILITY PER YEAR	0.1% of measurement range

### ELECTRICAL

SWITCH POINTS	1
OVER VOLTAGE	350Vdc. Option for 710Vdc

### MECHANICAL

SENSING DIAPHRAGM	Stainless steel
HOUSING	Stainless steel
SHOCK RESISTANCE	1000g according to IEC 68-2-32
VIBRATION RESISTANCE	20g according to IEC 68-2-2 and IEC 68-2-36
MASS	~100mg dependent on configuration
CE-MARKING	To 2004/108/EC
IP RATING	Per electrical connector rating
OPTIONS	Restrictor, Schrader-Opener

### TEMPERATURE

MEASURED MEDIA	-40°C to 125°C
OPERATING	-40°C to 105°C
STORAGE	-40°C to 125°C
COMPENSATED RANGE	-20°C to 85°C
TEMPERATURE COEFFICIENTS WITHIN THE COMPENSATED RANGE	
MEAN OFFSET	0.015%/°C of measurement range
MEAN RANGE	0.015%/°C of measurement range
TOTAL ERROR	-40°C 2% of measurement range, 105°C 2% of the measurement range

For detailed specifications of pressure ratings, pressure connections, electrical outputs and electrical connections, refer to the Pressure Sensors General Specification document.