

- Silicon diaphragm
- Measurement ranges up to 40bar
- Multiple pressure-connection options
- Multiple electrical-output options
- Accuracy 1.0%
- Environmentally robust

A silicon diaphragm offers a cost-effective solution ensuring excellent sensor performance in terms of long-term stability, measured-media compatibility and pressure peaks; so making the PPS120 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.



## STANDARD CONFIGURATIONS

<b>MEASUREMENT RANGE (mbar)</b>	10	16	20	25	40	60	100	160
	200	250	400	600	1000			
<b>MEASUREMENT RANGE (bar)</b>	1.6	2	2.5	4	6	10	16	20
	25	40						
<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>	4-20mA two wire		4-20mA three wire		0-10V		1-5V	
	0.5-4.5V ratiometric							
<b>ELECTRICAL CONNECTION</b>	MVC/A		MVC/C		M12X1 - S763		Flying lead	

## SPECIFICATIONS

### ACCURACY

AT 20°C	1% of measurement range. Option for 0.5%. Includes non-linearity, hysteresis, zero offset and final offset in accordance with IEC 61298-2
BEST-FIT STRAIGHT LINE	0.25%
NON-LINEARITY	0.15% of measurement range
REPEATABILITY	0.1% of measurement range
STABILITY PER YEAR	0.1% of measurement range

### ELECTRICAL

RESPONSE TIME	1ms over 10-90%
OVER VOLTAGE	350Vdc

### MECHANICAL

SENSING DIAPHRAGM	Silicon
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	80-120mg dependent on configuration
CE-MARKING	To 2004/108/EC
IP RATING	Per electrical connector rating

### TEMPERATURE

MEASURED MEDIA	-40°C to 85°C
OPERATING	-40°C to 85°C
STORAGE	-40°C to 85°C
COMPENSATED RANGE	-10°C to 70°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 3% of measurement range, 105°C 3% 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.