

# COMPACT HIGH PRESSURE TRANSMITTER

## PTX300

- > 0.25 % ACCURACY
- > M12 ELECTRICAL CONNECTION (IP67)
- > OPERATING TEMPERATURE RANGE (-40 TO 125) °C
- > RANGES (0 TO 2200) BAR
- > LESS THAN 35 mm LONG
- > 1 YEAR WARRANTY



## INTRODUCTION

The PTX300 is a compact high pressure low cost transmitter which features a sputtered thin film sensor to provide consistent high levels of performance and stability. The M12 electrical connection provides IP67 protection and the compact 17-4 PH stainless steel construction makes the PTX300 series ideal for installations where space is at a premium.

## SPECIFICATIONS

### INPUT

Pressure Range	(0 to 6) Bar Full Scale to (0 to 2200) bar G
Proof Pressure	1.4 x FS upto 100 bar 2.2 x FS 250 & 400 bar 2.4 x FS 600 bar & above
Burst Pressure	x 6 FS
Fatigue Life	Designed for more than 100 000 000 cycles

### PERFORMANCE

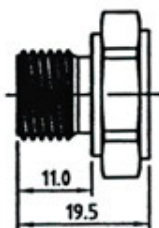
Long Term Drift	0.1 % FS/year non cumulative
Accuracy	± 0.25 % FS
Thermal Error	± 2 % FS typical
Compensated Temp.	(-40 to 120) °C
Operable	(-40 to 125) °C
Tolerance	Zero 1 % of span Span 1 % of span

### MECHANICAL

Pressure Port	G¼ BSP Male upto 700 bar 1000 bar & above with M12 x 1.5 6G only
Wetted Parts	17-4 PH Stainless Steel
Electrical Connection	M12 (4 pin)
Enclosure	IP67
Vibration	20G, (10 to 2000) Hz sinusoidal
Shock	Withstands free fall to IEC 68-2-32 procedure 1
Approvals	CE
Weight	35 gms
<b>CURRENT</b>	
Output	(4 to 20) mA
Supply Voltage	(10 to 36) VDC (24 VDC max for 110 °C and above)
Max. Loop Resistance	(VS-10) X 50 Ω

## MECHANICAL DETAILS

## PROCESS CONNECTION

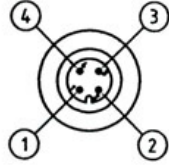
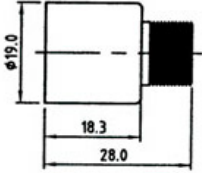


G¼ A Stud Union

# COMPACT HIGH PRESSURE TRANSMITTER

## ELECTRICAL CONNECTIONS

M12  
IP Rating - IP65



OUTPUT IDENTIFICATION	CURRENT OUTPUT (4 TO 20) mA	* Optional	
		VOLTAGE OUTPUT	UNCONDITIONED OUTPUT
1	Supply +ve	Supply +ve	+ V Supply
2	N/A	Supply Ref (0 V)	- V O/P
3	Return	Output	+ V O/P
4	N/A	Not used	- V Supply

\* For these options please contact the sales office.

### ORDER CODE

PTX

36	0-6 Bar
310	0-10 Bar
316	0-16 Bar
325	0-25 Bar
340	0-40 Bar
360	0-60 Bar
3100	0-100 Bar
3160	0-160 Bar
3250	0-250 Bar
3400	0-400 Bar
3600	0-600 Bar

For higher pressure ranges please contact the sales office.