

# CORROSIVE MEDIA LEVEL TRANSMITTER

## PTX23 SERIES

- > CHEMICAL RESISTANT
- >  $\pm 0.5$  % FS ACCURACY
- > CAPTIVE SEALED LEAD
- > LIGHTING PROTECTION OPTION
- > PUR OR TEFLON CABLE
- > 2 YEAR WARRANTY



### INTRODUCTION

The PTX23 pressure transmitter is a high accuracy, robust, 2 wire (4 to 20) mA current output pressure sensing device designed to withstand immersion in most aggressive chemicals. It is an assembly containing a piezoresistive element, oil filled and sealed in a PVDF case with a choice of PUR or PTFE cable to any length required.

The PTX23 is ideal for applications measuring depth and levels in aggressive fluids, chemicals and waste water.

Ranges are to DIN standard (in ratios of 1, 1.6, 2.5, 4, 6) e.g 100, 160, 250, 400, 600 mbars and 1, 1.6 bars etc. up to 25 bar with custom calibrations available to all pressure measurement units.

### SPECIFICATIONS @ 20 °C

#### INPUT

Type	Gauge
Pressure Range	Standard DIN pressure ranges from (0 to 25) bar full scale
Over Pressure	3 bar (0 to 500) mbar 3 x FS (5 to 2) bar (minimum 3 bar) 3 x FS (2 to 25) bar
Burst Pressure	Rated pressures can be exceeded up to 200 bar
Supply Voltage	(9 to 33) VDC voltage influence > 0.1 % FS

#### OUTPUT

Accuracy	Standard (4 to 200 mA, two wire) Optional $\leq \pm 0.5$ % FS (0 to 25) bar $\leq \pm 0.25$ % FS (0 to 25) bar
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Operating Temp. Range	Standard (0 to 70) °C Optional (-25 to 85) °C
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Electrical Connection	PUR or Teflon cable lengths to be specified at time of order.
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NOTE: Combined Non-linearity, Hysteresis and Repeatability will not deviate from the straight line connecting Zero and FS output by more than the accuracy stated.

#### CONSTRUCTION

Body	PVDF
Diaphragm	S/S 316L Teflon Coated
Seals	VITON, others available

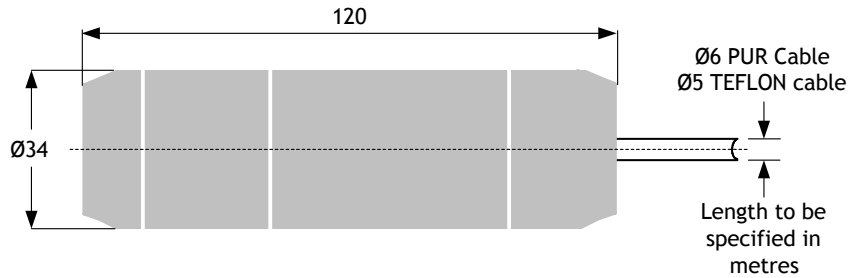
#### APPROVALS

Emissions	EN 61000-6-3
Immunity	EN 61000-6-2

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## MECHANICAL DETAILS

(All dimensions in mm)



### ORDER CODE

PTX22		/		/		/		/		/		/	
Intrinsic safety	X												
Gauge	G												
Open end	0												
Pressure Range	Low/High												
<b>OPTIONS</b>													
Standard Temperature Range (0 to 70) °C												0	
Extended Temperature Range (0 to 70) °C												1	
High Accuracy 0.25 %												3	
Compound Reg./PLUS or offset zero												5	
0.1 % Accuracy												6	
Lightening Protection												10	
<b>CABLE</b>													
PUR												P	
TEFLON												T	
<b>OPTION</b>													
Weighted option												W	