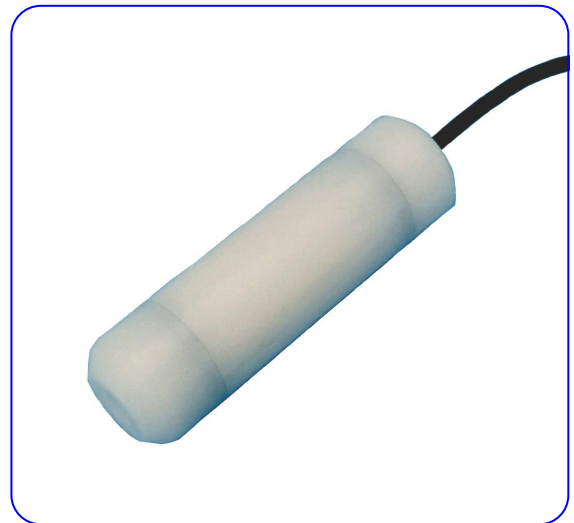# CORROSIVE MEDIA LEVEL TRANSMITTER

PTX23 SERIES

➤ CHEMICAL RESISTANT

➤ ±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.
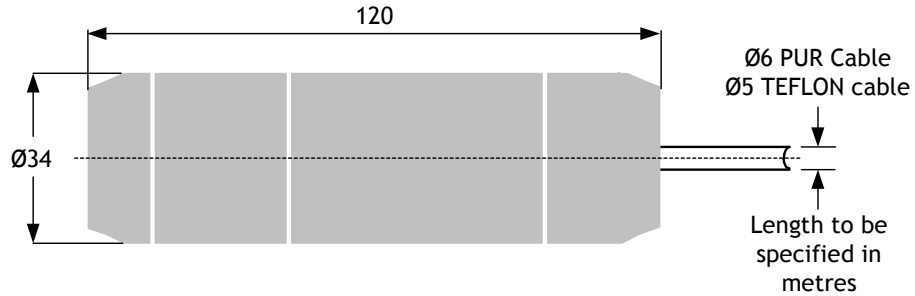
SPECIFICATION @ 20˚C

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	(4 to 200 mA, two wire	
Accuracy	<500 mBar	≤ ± 2 % FS
	≤2 Bar	≤ ± 1 % FS
	>2 Bar	≤ ± 0.5 % FS
Operating Temp. Range	Standard	(0 to 70) ˚C
	Optional	(-25 to 85) ˚C
Electrical Connection	PUR or Teflon cable lengths to be specified at time of order.	

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

CORROSIVE MEDIA LEVEL TRANSMITTER

MECHANICAL DETAILS

(All dimensions in mm)

120

Ø34

Ø6 PUR Cable
Ø5 TEFLON cable

Length to be specified in metres

ORDER CODE

PTX23 ☐ / ☐ / ☐ / ☐ / ☐ / ☐ / ☐ / ☐

Intrinsic safety	X
Gauge	G
Open End	0
Pressure Range: Low / High	

OPTIONS	
Standard Temperature Range (-5 to 50) ˚C	0
Extended Temperature Range (-5 to 80) ˚C	1
Lightening Protection	10

CABLE	
PUR - Max Temp 50˚C	P
Teflon	T

Weighted Option	W

STATUS
INSTRUMENTS