

# FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

**Level:** Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

**Services:** Repair, Calibration, Panel Build, System Design & Commissioning

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# CORROSIVE MEDIA LEVEL TRANSMITTER

## PTX23 SERIES

- CHEMICAL RESISTANT
- $\pm 0.5$  % FS ACCURACY
- CAPTIVE SEALED LEAD
- LIGHTNING 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

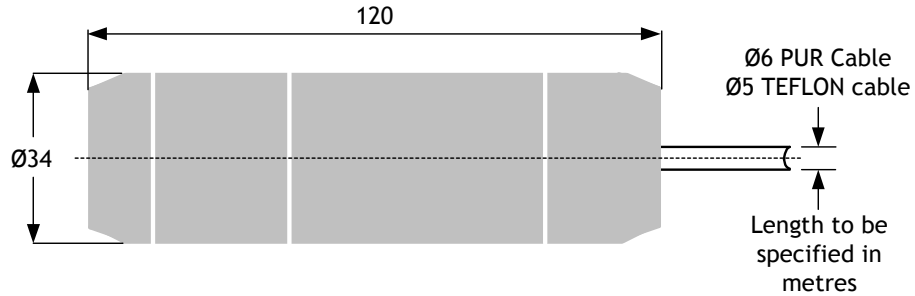
Input Type	Gauge	Construction	
Pressure Range	Standard DIN pressure ranges from (0 to 25) bar full scale	Body Diaphragm Seals	PVDF S/S 316L Teflon Coated VITON, others available
Over Pressure	3 bar (0 to 500) mbar 3 x FS (5 to 2) bar (minimum 3 bar) 3 x FS (2 to 25) bar	Approvals Emissions Immunity	EN 61000-6-3 EN 61000-6-2
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	Standard $\leq \pm 0.5$ % FS (0 to 25) bar Optional $\leq \pm 0.25$ % FS (0 to 25) bar		
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.

# CORROSIVE MEDIA LEVEL TRANSMITTER

## MECHANICAL DETAILS

(All dimensions in mm)



## ORDER CODE

PTX23		/		/		/		/		/		/	
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 Lightning Protection      10													
<b>CABLE</b> PUR      P Teflon      T													
Weighted Option													W