



PX Specifications

Version : 2

	PX-1 (P/N: ICPX11)	PX-2 (P/N: ICPX21)	PX-V2 (P/N: ICPXV2)
Performance			
Available Pressure Ranges	0 to 1000 mbar (0 to 14.5 psi)	0 to 2000 mbar (0 to 29 psi)	0 to -750 mbar (0 to -10.8 psi)
Pressure stability	<0.5% full scale		
Accuracy	0.25% full scale		
Repeatability (1σ)	<0.01% full scale Standard deviation of mean values for same pressure order		
Sensor resolution	0.03% full scale		
Mechanical response time	<10ms		
Minimum settling time	<150ms Time to reach area between 95 and 105% of target pressure Measure done on a 2mL reservoir to reach 500mbar using a PX-1		
Typical settling time	6 sec (from 15 mL reservoir from 0 to 2 bar)		
Typical depressurization time	12 sec (from 15 mL reservoir from 2 to 0 bar)		
Mechanical			
Weight	192 g		
Dimensions	82.4 x 25.7 x 67.9 mm		
Manifold	Aluminum		
Valve	FKM/FKM, Stainless Steel		
Interior tubing	Silicon platinum		
Pressure sensor	High temperature polyamide, Epoxy, Silicone gel		
Exhaust restrictor	NBR (o ring), Brass, PVA, polyethylene		
Operating temperature range	-10°C to 80°C		
Storage temperature	-40° to 85°C		
Operating humidity	0-100% HR		
Storage humidity	0-100% HR		
Operating pressure supply	1300mbar +/- 50 mbar (18.8 psi +/- 0.72 psi)	2400mbar +/- 50 mbar (34.8 psi +/- 0.72 psi)	Vacuum below -300 mbar (-4.35 psi)
Maximum inlet pressure	2000 mbar (29 psi)	3000 mbar (43,5 psi)	NA
Operating vacuum supply	NA		-900mbar +/- 50 mbar
Internal leakage	<0,35 l/min		
Sensor type	Piezzo resistive silicon pressure sensor		
Pneumatic connections	M5 thread		
Mounting type	DIN rack (in option)		
Gas Compatibility	Clean and dry non-corrosive gases		

For additional information, please contact us by email: contact@fluigent.com or consult our website: www.fluigent.com

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Gas temperature	4°C to 37°C
Electrical	
Digital communication interface	USB, RS232
Readout sample time	5 ms
RS232 connection	Sub DB9
Power supply connector type	Phoenix contact MSTBA 2.5
Power supply	24 VDC
Current supply	80 mA
Maximum power consumption	2 W
Data Update Rate - data refresh rate	10 Hz
Digital Data Update Rate - internal refresh rate	10 Hz
Digital communication protocol	USB, RS232
Compatible operated system (OS)	Windows, Linux, MacOS
Software control	OxyGen or SDK