

LabSmith uPS Pressure Sensor Specifications



- Compact size
- Low dead-volume
- Threads directly to LabSmith CapTite™ ports
- Available in several configurations and pressure ranges

Part Number Specification

uPSXXXX-YYYY-ZZ

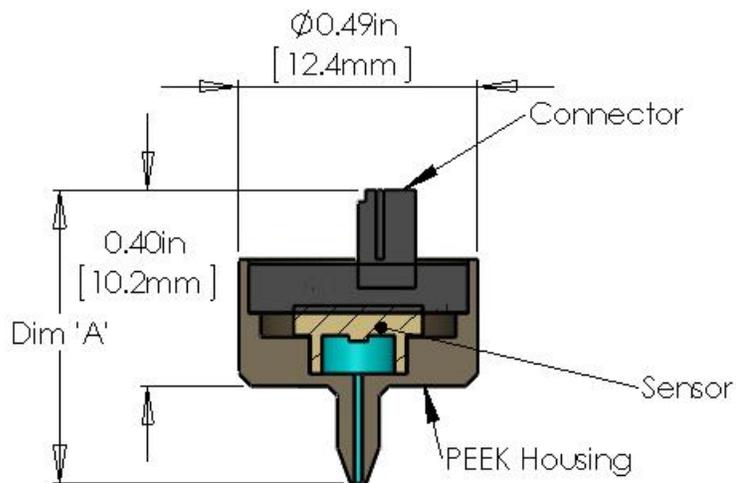
Range (XXXX)	Maximum Pressure	Damage Pressure	Resolution
0250	250 kPa abs [35 psia]	500 kPa abs	1 Pa
0800	800 kPa abs [115 psia]	1600 kPa abs	5 Pa
1800	1800 kPa abs [260 psia]	2500 kPa abs	11 Pa

Model (YYYY)	CapTite™ Component Compatibility
C360	Compatible with all C360 (for 360 um OD capillary) or T132 (for 1/32" OD tubing) components
T116	Compatible with all T116 components (1/16" OD tubing)

Accuracy (ZZ)	01
Drift	≤0.3% of F.S.
Hysteresis	≤0.1% of F.S.
Scale	≤0.1% of F.S.
Thermal compensation	≤0.03% of F.S./°C

Other Features	
Temperature Range (for specified accuracy)	15°C — 60°C
Working Temperature	0°C — 100°C
Housing material	PEEK®
Fill	Perflourinated oil
Measures Vacuum?	yes
Internal volume (oil filled)	6.5 µl
Electrical connection	2.00 mm pitch, 20 pin, dual row receptacle

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Model	Dim 'A'
uPSXXXX-C360-01	0.62 in [15.6 mm]
uPSXXXX-T116-01	0.68 in [17.3 mm]

3-D Model available upon request

Accessories	
EIB100 or EIB200	for control of 4AM01 manifold and other uProcess devices; includes uProcess™ software, LabVIEW™ drivers, and SDK
4AM01	Analog Sensor Manifold (controls up to 4 sensors)
uProcess breadboard uPB-05, uPB-08, uPB-12, or iBB	optional platform for mounting 4AM01 manifold and other microfluidic devices