

FLOWPRESS™: SINGLE-USE PRESSURE SENSOR

The FlowPress™ single-use pressure sensor is designed for high-precision monitoring in a variety of bioprocess applications.

RELIABLE. PRECISE. INTEGRATIVE.

Engineered to provide accurate pressure measurement up to 100 psi, this state-of-the-art sensor seamlessly integrates with your existing monitoring systems, ensuring compatibility, optimal performance and ease of use. Sensors are available with NIST certificates and are 100% tested for quality during production. Choose FlowPress™ for your pressure sensing needs and experience the difference in performance and convenience.

APPLICATIONS:



FILTRATION

Accurately monitor pressure during filtration to maintain process efficiency and product integrity.



CHROMATOGRAPHY

Achieve superior separation and purification with precise pressure control in chromatography applications.



RESEARCH AND DEVELOPMENT

Perfect for laboratory settings where reliable data is essential.



CELL CULTURE & FERMENTATION

Ensure precise control and monitoring of pressure to optimize yield and quality for growth and product formation.



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HIGH PRESSURE DURABILITY

Every FlowPress™ sensor is tested for quality and is capable of accurately measuring pressures up to 100 psi, making it ideal for demanding applications.



SEAMLESS INTEGRATION:

Fully compatible with a range of process monitoring systems, including PendoTECH® PressureMAT®, allowing for straightforward integration into your existing setups.



PRECISION AND ACCURACY

Provides reliable and accurate pressure readings with accuracy within $\pm 2\%$, ensuring the highest level of data integrity and reliability. NIST certificates are available as an option.



SINGLE-USE CONVENIENCE

Designed for one-time use, this sensor eliminates the risk of cross-contamination, ensuring the highest levels of sterility and safety in your bioprocess workflows.



USER-FRIENDLY DESIGN

Easy to install and operate, reducing setup time and increasing operational efficiency.



COMPLIANCE AND QUALITY

Our sensor meets industry standards and regulatory requirements, giving you peace of mind.

SPECIFICATIONS	
Configurations	1/8" and 3/8" hose barb; 3/4" and 1.5" TC flange
Operating Range	0 to 100 PSI
Material of Construction	Polysulfone
Sterilization	Gamma Irradiation/X-Ray up to 50 kGy
Manufacturing Environment	ISO Class 7 Cleanroom
Operating Temp	5°C to 40°C
Storage Temp	-35°C to 60°C
Shelf Life	5 Years
NIST Certificate Available	Yes
Broad Chemical Resistance	Yes, including caustic
Excitation Voltage	2 to 10 Volts (VDC)
Sensor Material	Polycarbonate; no Dielectric Gel
Sensor Output (Sensitivity)	0.195 mV/Volt/psi
ACCURACY	
From 0 to 30 PSI	+/- 2% of reading
From 31 to 80 PSI	+/- 4% of reading
From 81 to 100 PSI	+/- 5% of reading
From -10 to 0 PSI	+/- 4% of reading
REGULATORY COMPLIANCE	
USP <88>, Biological Reactivity	Meets
USP <788>, Particulate Matter in Injections	Meets
USP <85>, Bacterial Endotoxin	Meets
USP <661>, Plastic Packaging	Meets
ISO 10993-5, Cytotoxicity	Meets
Extractables	to USP 665
BSE/TSE Free	Meets
REACH	Meets
RoHS	Meets

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SENSOR PART NUMBERS:

PART NUMBER	DESCRIPTION
F-FP-0125HB-15	FlowPress™, 1/8" HB, 15" Cable
F-FP-0375HB-15	FlowPress™, 3/8" HB, 15" Cable
F-FP-0750TC-15	FlowPress™, 3/4" TC, 15" Cable
F-FP-1500TC-15	FlowPress™, 1-1/2" TC, 15" Cable
F-FP-0125HB-15-N10	FlowPress™, 1/8" HB, 15" Cable, NIST Calibrated 0-10 psi
F-FP-0375HB-15-N10	FlowPress™, 3/8" HB, 15" Cable, NIST Calibrated 0-10 psi
F-FP-0750TC-15-N10	FlowPress™, 3/4" TC, 15" Cable, NIST Calibrated 0-10 psi
F-FP-1500TC-15-N10	FlowPress™, 1-1/2" TC, 15" Cable, NIST Calibrated 0-10 psi
F-FP-0125HB-15-N30	FlowPress™, 1/8" HB, 15" Cable, NIST Calibrated 0-30 psi
F-FP-0375HB-15-N30	FlowPress™, 3/8" HB, 15" Cable, NIST Calibrated 0-30 psi
F-FP-0750TC-15-N30	FlowPress™, 3/4" TC, 15" Cable, NIST Calibrated 0-30 psi
F-FP-1500TC-15-N30	FlowPress™, 1-1/2" TC, 15" Cable, NIST Calibrated 0-30 psi
F-FP-0125HB-15-N80	FlowPress™, 1/8" HB, 15" Cable, NIST Calibrated 0-80 psi
F-FP-0375HB-15-N80	FlowPress™, 3/8" HB, 15" Cable, NIST Calibrated 0-80 psi
F-FP-0750TC-15-N80	FlowPress™, 3/4" TC, 15" Cable, NIST Calibrated 0-80 psi
F-FP-1500TC-15-N80	FlowPress™, 1-1/2" TC, 15" Cable, NIST Calibrated 0-80 psi

NIST CALIBRATED PRODUCTS AVAILABLE:

"-N10" covers low pressure applications. NIST Certified 0-10 psi in 1 psi increments.

"-N30" covers medium pressure applications. NIST Certified 0-30 psi in 5 psi increments.

"-N80" covers high pressure applications. NIST Certified 0-80 psi in 10 psi increments.

CABLES AND ADAPTERS (REUSABLE):

PART NUMBER	DESCRIPTION
F-SC-RJ11M-PU	Sensor Cable, RJ11 Male to Pendotech/Utah, 200cm OAL
F-SC-RJ11M-DB15	Sensor Cable, RJ11 Male to DB15, 200cm OAL

COMPENSATION CIRCUITS:

PART NUMBER	DESCRIPTION
F-CC-PMAT	Compensation Circuit for PMAT