Ordering ME-PXN-Series Inline Flowsensors

Catalog # ME ___ PXN _____-_____-_____-_____
(size) Calibration Codes (up to 4)

example: ME4PXN-BL37-KR37-FX37 is calibrated for 3 fluids at 37°C: blood, Krebs & custom cell culture

Flowmeter Compatibility: TS410 400-Series Flowmeter Module

Size: Scaled to insert into flexible tubing internal diameter (See PXN specification table for ID and barb spec.)

How to Choose the Most Appropriate Inline Sensor

Tubing Diameter: The sensor that most closely matches the circuit tubing ID should be used so that perturbations in fluid dynamics are minimized. Narrowing or steps down in tubing diameter can add resistance to flow.

Expected Flow Rate: Transonic flowsensor sizes are scaled to achieve the highest resolution in measurement. The smaller the sensor, the higher the sensitivity to low volume flows and the lower the offset at zero flow (see specifications). All PXN sensors have two dynamic flow ranges and are linear to +/- 5 volts. Choose the sensor that will best match the anticipated flow rate. PXN sensors may also be calibrated for highest sensitivity if the estimated flow range is specified when ordering.(See table)

Fluid / Temperature Calibration: Specify up to 4 fluid/temperature combinations for calibration from the codes listed in the table below. Fluid samples and a MSDS may be required for custom calibration requests (contact Customer Service).

Fluid/Temperature	23°C	37°C	Custom Temperature specify
Water/Saline	$H_2$023	$H_2$037	$H_2$0TX
Blood	BL23	BL37	BLTX
Glycerine 40%, Water 60% (by volume)*	GL23	GL37	GLTX
Glycerine Custom Conc	GLX23	GLX37	GLXTX
Krebs Solution	KR23	KR37	KRTX
Custom Fluid	FX23	FX37	FXTX

X designates custom calibration for extra charge
* Glycerine calibration: custom for 1PXN, 2PXN, 3PXN

Information Needed to Calibrate Sensor
- Fluid (blood, saline, other)
- Operational temperature
- Flow ranges expected

Flow Calibration Ranges	Low	Normal
1PXN	2 - 10 ml	10 - 40 ml
2PXN	5 - 20 ml	20 - 80 ml
3PXN	10 - 50 ml	50 - 200 ml
4PXN	20 - 100 ml	100 - 400 ml
5PXN	40 - 200 ml	200 - 800 ml
6PXN	100 - 500 ml	0.5 - 2 L
10PXN	0.25 - 1L	1 - 7 L
13PXN	0.5 - 2L	2 - 10 L
16PXN, 19PXN	1 - 5 L	5 - 20 L
25PXN	2 - 10 L	5 - 25 L

Note: the ranges listed represent the actual flow volumes for calibration. Lower or higher flow may be requested.

Connector Type

CP16: Plastic 16-pin for TS410
Standard on 1PXN-6PXN

CC16: Metal 16-pin for TS410
Standard on 10PXN - 25PXN

Extension Cable for TS410

CC16-S-CC16 Standard 1 meter length
CC16-X-CC16 Custom length for MRI use (specify; may not apply for all sensor sizes)

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