



Transonic Systems Inc.
34 Dutch Mill Rd, Ithaca, NY 14850 USA
Phone 607.257.5300 | www.transonic.com | Fax 607.257.7256

16, June, 2023

Life Science Research Product Changes & Discontinuations

BLF22 and BLF21 Perfusion Monitors and Probes:

- The BLF Laser Doppler Monitors and associated probes were previously obsoleted in April of 2022. Service, Calibration and Repair has officially been discontinued as of 16,Jun,2023.

PhysioGear Telemetry System

- The PhysioGear Telemetry system has been obsoleted for over a decade. Service, repair, calibration, and replacement Flowprobes will no longer be offered as of 16,Jun,2023.

SP430 Pressure Module

- The SP430 Pressure Module are obsoleted as of 16,Jun,2023.
- No replacement catheters will be available as of 16,Jun,2023.
- No Repair, Service or Calibrations will be available as of 16,June,2023.

EndoGear Telemetry

- The EndoGear Telemetry systems are obsoleted as of 16,Jun,2023.
- No replacement probes or catheters will be available as of 16,Jun,2023.
- No Repair, Service or Calibrations will be available as of 16,June,2023.

Transonic Scisense Electrophysiology, Pressure and Pressure Volume Products

- All Transonic Scisense Products have been discontinued as of 16,Jun,2023.
- Millar and ADInstruments will take on support of the ADV550 & SP200 systems to provide replacement catheters & support. Contact support@millar.com to discuss existing orders; for future orders contact ADInstruments at sales.managers@adstruments.com.

TS420 Perivascular Flowmeter and Flowprobes

- The TS420 Flowmeter will continue to be offered for sale until 31,Dec,2023.
 - Calibration, Service & Repair will be continued through 31,Dec,2025.
- All TS420-compatible Flowprobes & Accessories will be offered for sale until 31,Dec,2023; quantities may be limited and certain Flowprobes may run out earlier due to supply constraints.
 - Calibration, Service and Repair will be supported through 31,Dec,2024, which includes extension cables and PAU liners.
 - NOTE: after 31 Dec,2023, silicone shields/ wraps/ flanges and AP Nalco will not be offered.



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TS410 Flowmeter and PXN Inline Flowsensors

- The TS410 Flowmeter will be sold and supported going forward without an end date.
- All PXN Flowsensors except ME25PXN and ME25PXNB will be discontinued on 1,Jan,2024
- PXN Flowsensor orders will be supported for all sizes until 31,Dec,2023, with the following changes to accuracy and supported calibration temperature, fluid and flow rates ranges:
 - PXNs in sizes 2,3,4,5 will be provided at a +/- 8% accuracy specification.
 - Fluids offered:
 - Water
 - Krebs
 - Saline (0.9 to 5%)
 - Blood
 - Glycerin (40%, 60% by volume only)
 - Temperature (19 – 40C)
 - Flow rates
 - Standard & Low, Sizes 1-19 PXN (see chart below)
 - Ultra Low, only for sizes ME25PXN and MEPXNB (see chart below)
- Calibrations, service & repairs will be supported through 31,Dec,2025 at the calibration parameters at the time of purchase, or last purchased calibration within the prior 24 months.
- NOTE: Tier III Calibration Certificates will not be offered as of 16,June,2023

PXN Inline Sensors

| | | | | | | CATALOG FLOW RANGES | | | | | |
|-----------------|------|-----------|------------|--------|-----------------|-------------------------|------------------------|-----------------------|-------------------------|----------------|--------------|
| | | | | | | Low Flow | | Standard Flow | | Ultra Low Flow | |
| | ID | 1/4 Scale | Full Scale | offset | | Low Linear Limit | Max | Low Limit | Max | Low Limit | 10 x Minimum |
| | | 1 volt | 1 volt | ml/min | | 1 volt in low flow mode | 5 volts: 5 x low limit | 0.5 volts: full scale | 5 volts: 10 x low limit | | |
| 1PXN | 3/64 | 5 | 20 | 0.4 | 1PXN | 5 | 25 | 10 | 100 | | |
| 2PXN | 1/16 | 10 | 40 | 0.6 | 2PXN | 10 | 50 | 20 | 200 | | |
| 3PXN | 3/32 | 25 | 100 | 1 | 3PXN | 25 | 125 | 50 | 500 | | |
| 4PXN | 1/8 | 50 | 200 | 2 | 4PXN | 50 | 250 | 100 | 1 L | | |
| 5PXN | 3/16 | 100 | 400 | 4 | 5PXN | 100 | 500 | 200 | 2 L | | |
| 6PXN | 1/4 | 250 | 1 L | 10 | 6PXN | 250 | 1.25 L | 500 | 5 L | | |
| 10PXN | 3/8 | 500 | 2 L | 20 | 10PXN | 500 | 2.5 L | 1 L | 10 L | | |
| 13PXN | 1/2 | 1 L | 4 L | 40 | 13PXN | 1 L | 5 L | 2 L | 20 L | | |
| 16PXN | 5/8 | 2.5 L | 10 L | 70 | 16PXN | 2.5 L | 12.5 L | 5 L | 50 L | | |
| 19PXN | 3/4 | 2.5 L | 10 L | 100 | 19PXN | 2.5 L | 12.5 L | 5 L | 50L | | |
| 25PXN(B) | 1 | 5 L | 20 L | 200 | 25PXN(B) | 5 L | 25 L | 10 L | 100 L | 2 L | 10 L |



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TS410 Flowmeter and PXL Clamp-on Flowsensors

- The TS410 Flowmeter will be sold and supported going forward without an end date.
- PXL Flowsensor orders will be supported for all sizes, except metric, going forward without an end date, with the following changes to supported calibration, temperature, tubing, fluids, and flow rates:
 - Fluids offered:
 - Water
 - Krebs
 - Saline (0.9 to 5%)
 - Blood
 - Glycerin (40%, 60% by volume only)
 - Temperature (19 – 40C)
 - Flow rates
 - Standard, Low & Ultra Low
 - Tubing Types
 - PVC
 - Silicone
 - Urethane

*Notes: No 3D printed or custom tubing for sales after 16,June,2023.

NOTE: Tier III Calibration Certificates will not be offered as of 16,Jun,2023

T701 FlowEdge Flowmeter & BnXL Flowsensors:

- The T701 Flowmeter will be discontinued on 16, June, 2023.
- The BnXL Flowprobes will be offered until 31, Dec, 2023—see TS410 Flowmeter & PXL Flowsensors above changes to supported calibration, temperature, tubing, fluids, and flow rates

Calibrations, service & repairs will be supported through 31, Dec, 2025 at the calibration parameters at the time of purchase, or the last purchased calibration within the prior 24 months.



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Tubing Sensor Flow Ranges

PXL Clamp-on Sensors

CATALOG FLOW RANGES

| | | | | | | CATALOG FLOW RANGES | | | | | |
|--------------|--------------|-----------|------------|--------|--------------|-------------------------|---------------------------|--------------------------|----------------------------|------------------------|--------------|
| | | | | | | Low Flow | | Standard Flow | | Ultra Low Flow | |
| | ID | 1/4 Scale | Full Scale | offset | | Low Linear Limit | Max | Low Limit | Max | Low Limit | 10 x Minimum |
| | | 1 volt | 1 volt | ml/min | | 1 volt in low flow mode | 5 volts: 5 x low limit | 0.5 volts: full scale | 5 volts: 10 x low limit | 0.1 volt of full scale | |
| 2PXL | 3/32 | 50 | 200 | 4 | 2PXL | 50 | 250 | 100 | 1 L | 20 | 200 |
| 3PXL | 1/8 | 100 | 400 | 8 | 3PXL | 100 | 500 | 200 | 2 L | 40 | 400 |
| 4PXL | 1/8 | 100 | 400 | 8 | 4PXL | 100 | 500 | 200 | 2 L | 40 | 400 |
| 5PXL | 3/16 | 100 | 400 | 8 | 5PXL | 100 | 500 | 200 | 2 L | 40 | 400 |
| 6PXL | 1/4 | 250 | 1 L | 15 | 6PXL | 250 | 1.25 L | 500 | 5 L | 100 | 1 L |
| 7PXL | 1/4 | 500 | 2 L | 30 | 7PXL | 500 | 2.5 L | 1 L | 10 L | 200 | 2 L |
| 8PXL | 3/8 or 5/16 | 500 | 2 L | 30 | 8PXL | 500 | 2.5 L | 1 L | 10 L | 200 | 2 L |
| 9PXL | 3/8 | 500 | 2 L | 30 | 9PXL | 500 | 2.5 L | 1 L | 10 L | 200 | 2 L |
| 10PXL | 1/2 | 1 L | 4 L | 60 | 10PXL | 1 L | 5 L | 2 L | 20 L | 400 | 4 L |
| 11PXL | 1/2 | 1 L | 4 L | 60 | 11PXL | 1 L | 5 L | 2 L | 20 L | 400 | 4 L |
| 12PXL | 1/2 | 1 L | 4 L | 60 | 12PXL | 1 L | 5 L | 2 L | 20 L | 400 | 4 L |
| 14PXL | 5/8 or 11/16 | 2.5 L | 10 L | 150 | 14PXL | 2.5 L | 12.5 L | 5 L | 50 L | 1 L | 10 L |
| 16PXL | 3/4 | 2.5 L | 10 L | 150 | 16PXL | 2.5 L | 12.5 L | 5 L | 50 L | 1 L | 10 L |
| 20PXL | 1 | 5 L | 20 L | 300 | 20PXL | 5 L | 25 L | 10 L | 100 L | 2 L | 20 L |