



Transonic Systems Inc.
The Flow Measurement Specialists

January 3, 2008

To: Transonic Customers with Discontinued Research Flowmeters
From: Margo Sosa, Research Products Manager

RE: Discontinued Product Notice
T106/T206 Support
Flowprobe Availability
T106/T206 Flowmeter Trade-in Offer

Attention Loyal Transonic T106/T206 and T108/T208 Customers:

Over the past many years we have valued your support and continued loyalty to Transonic's research products. As research scientists and a progressive business in this fast changing, technological age, we have done our best to keep you up-to-date with accurate measurement tools that pay back in reliable data. Together we have produced milestone hemodynamic data.

With the national research funding lagging behind our scientific aspirations, we recognize that many of our customers are doing their best to maintain their laboratories with limited resources. We want you to know that you can continue to rely on your Transonic flowmeters during this lean period. Our flowmeters are well known for being robust, reliable and care-free. We will continue to support these past model T106 and T206 workhorses as long as possible. Please review the following service guidelines and contact us if you have any questions. Do check our website for periodic updates: www.transonic.com.

Discontinued Model Flowmeters

Old Model T106/T206 manufacture dates 1990 – 1992
serial # T106-90-0003 to T206X92-0320
Capability is limited; do not operate many probe models.

Later Model T106/T206 manufacture dates 1993 – 2002
serial # T206X93-0321 to T206A3-20012
The capabilities of the model progressed over the life of the product; *not all units operate later probes*. The hallmark of the model was the 1 mm probe.

T108/T208 manufacture dates 1992 – 1995
serial # T108-92-0001 to T208-95-0188
This model was set for lower frequency probes for larger diameter and did not operate the higher frequency 1 & 1.5 mm probes. Early models did not operate A-series probes.

HT106/HT206 manufacture dates 1991 – 1995
This is a clinical flowmeter model that was built in limited quantities for specialized small vessel clinical applications. The clinical flowprobes are no longer available; Custom cross-compatible research flowprobes are no longer available.

T109/R manufactured 1995 – 1997**Serial # T109-95-0115 to T109-97-0217**

Operates early model sterile tubing flowsensors. X-series; later replaced by XL-sensors.

Limited functionality for small diameter tubing < ¼ id.

T110/R manufactured 1997 – 2004**Serial # T110-97-0002A to T110RA4-0509A**

Operates XL-sterile tubing flowsensors.

Discontinued Research Flowmeter Model / Flowprobe Compatibility								
Note: x = individual size exceptions								
Model	R-Series	S-Series	V-Series	A-Series	N-Series	C-Series	X-Series	XL-Series
T106/T206 Thru 1992	1-8 mm x: 1.5R	2-20 mm x: 2.5S	No	No	All	All	No	No
T106/T206 1993-2002	1-8 mm 1994:1.5R	2-20 mm 1994: 2.5S 2002: 1.5S	0.5-1 mm after 1994	8 -36 mm after 1995	All	All	No	No
T108/T208	2-8 mm	2-32 mm	No	8 -36 mm after 1995	≥ 2N x: 1N	All	No	No
HT106	Clinical model – research probes required custom programming for cross compatibility							
HT206	1-8 mm x: 1.5R	2-20 mm x: 2.5S	No	8 -36 mm after 1995	All	All	No	No
T109/R	No	No	No	No	No	No	Yes	≥ 6XL x: 2-5XL
T110/R	No	No	No	No	No	No	No	2-20XL

Support & Repair of Discontinued Flowmeter Models:

We will continue to repair later model T106/T206 and T110/R flowmeters after July 2008 dependent on availability of non-obsolete parts. The circuitry of older model flowmeters and many required components are now obsolete and are not replaceable.

- Units manufactured in 1992 and earlier are not repairable.
- T108/T208 and HT106/HT206 are also not repairable
- Later flowmeters that are out of service may be repaired depending on availability of parts. We will evaluate these on a case by case basis at our US repair facility; but cannot guarantee that we will be able to repair them.
- Repair prices will be fixed rate. Contact Transonic Systems or your local distributor for current prices.
- Flowmeters that are not repairable will be returned to the customer with notification.

Calibration Certification:

Transonic will continue to recalibrate obsolete research flowmeters and provide certification for units that are still in service and functional. Flowmeters that do not pass calibration certification may be considered for repair or will be returned with notification that the device is out of specification and is unable to be brought into specification dependent on the availability of parts. Contact Transonic Systems or your local distributor for current prices.

Discontinued Flowmeter Service Summary					
Model	Dates of Manufacture	Serial Number Range	Calibration Service	Repair Service	Flowprobe Availability
T106/T206	1990 - 1992	T106-90-0003 to T206X92-0320	✓	No	Low volume & probes with marginal performance will be phased out July 2008. All others available pending availability of parts.
	1993 - 2002	T206X93-0321 to T206A3-2012	✓	After 7/08: Upon evaluation. Limited by availability of parts	
T108/T208	1992 - 1995	T108-92-0001 to T208-95-0188	✓	No	
HT106 HT206	1991 – 1995	Clinical Flowmeters: sequential serial data unavailable	No	No	No. Clinical Compatible Probes no longer available
T109/R	1995 - 1997	T109-95-0115 to T109-97-0217	✓	No	XL sensors available; check small size compatibility on T109.
T110/R	1997 - 2004	T110-97-0002A to T110RA4-0509A	✓	✓	

Flowprobe & Accessory Availability for Discontinued Model Flowmeters

We will continue to supply many of the flowprobes for our discontinued models to meet the demand and to keep your trusted flowmeters working for you, generating data for future grants.

- Low volume flowprobe styles will be discontinued July 2008 as many of these older probe fabrications are difficult to supply on a custom basis. Where possible, we will suggest substitutes and alternatives.
- Transonic will continue to supply popular sizes and series, though prices will reflect the increased cost of manufacture. All flowprobes supplied will meet published specifications for the discontinued model unless otherwise stated.
- Several flowprobe types have become progressively difficult to manufacture for the older circuitry where the acoustic signal quality is marginal and the zero offset may be more pronounced and unstable. Many of these probe systems have already been replaced by probes that perform much better on the 400-series flowmeters. The marginal performance flowprobes will be phased out beginning July 2008.

Discontinued Research Model Flowprobe Availability		
Flowprobe Type	Size in mm	Status
R-Series	1 – 4	Available
	6, 8	Discontinue July 2008
S-series	1.5SL	Discontinue July 2008
	2 – 12	Available
	14 – 20	Discontinue July 2008
V-series	0.5VB	Discontinue July 2008
	0.7VB	Available
A-series	8, 10, 12, 28, 32, 36	Discontinue July 2008
	14, 16, 20, 24	Available
C-series	All sizes	Discontinue July 2008
N-series	1N, 2N	Available
	4N, 6N, 8N, larger	Discontinue July 2008
Custom Cross-Compatible probes for HT106/T206	All	Discontinued
XL – series	All sizes	Available * Note: small sizes may not meet spec on old model T109.

Flowmeter Trade in & Upgrade

Transonic Systems is offering a trade-in discount toward purchase of a new research flowmeter through March 31, 2008.

- \$ 750 off purchase of a single channel 400-series flowmeter
- \$ 1000 off purchase of a dual channel 400-series flowmeter
- \$ 1250 off purchase of a triple channel 400-series flowmeter

We encourage our loyal customers to consider trade-in of discontinued model flowmeters toward our Modular 400-Series Flowmeter line. R, S, V-series flowprobes that are still in service and meet specification may be easily upgraded to be compatible with the 400-series flowmeter. All units traded in for credit must be received by your Transonic regional office and will be retired from service.

The 400-series flowmeters offer significant improvements over the TX06 product line:

- Enhanced accuracy & performance spec on all probes: greater stability, lower zero offset, better signal to noise resolution.
- Stable performance of high frequency, miniature flowprobes
- Implantable 0.5, 0.7, 1.5 mm Nanoprobes for mouse studies
- PAX cardiac output probe measure turbulent flow with 4 independent transducers
- PXN inline sensors have smooth flow channels & high sensitivity
- PXL clamp-on tubing sensors are carefree, clip on the outside of the tube and the plastic housings do not corrode
- Tubing flowsensor calibration for multiple fluids, temperature or conditions is selectable and adjustable by the end user.
- Modular, streamlined 400-series consoles can provide up to 3 flow measurement channels in one case.

We look forward to continuing to provide you with the service and support you have come to expect from Transonic Systems. Please contact your local distributor or regional office for further information.

Margo Sosa
Senior Manager – Research Products

Wayne Bower
USA/CA Sales – Research Flow Specialist

Alison Cowen
International Sales –Research Flow Specialist

International Regional Offices

Hans van den Berg
International Distributor Manager
Transonic Systems Europe B.V.

Glenn Drost
President
Transonic Systems Asia Inc.

*USA: Tel: 800-353-3569; info@transonic.com; Fax 607- 257-7256; www.transonic.com
Europe: Tel: 31 43 407 7200; info@transonic.nl; Fax: 3143 407 7201; www.transonic.nl
Asia: Tel: +886 3 399 5806; support@transonicasia.com; Fax: +886 3 399 5805; www.transonicasia.com*