



# 400-Series Compatibility

# T106/T206 Flowprobes

## Perivascular Flowprobes

Most T106 and T206 perivascular probes can be made compatible with the new TS420 module.

This includes:

- **V-Series probes**
- **R-Series probes**
- **S-Series probes**

The new 400-series flowmeters use a different eeprom scheme and cannot decode the information in the TX06 probe eeproms. However, a separate eeprom key compatible with the TS420 can be provided to make probes cross compatible. In all cases, probes need to be sent to Transonic Systems for testing and programming keys for use with the TS420 module since the transmit voltages and normalization signals are very different between the two systems. It is also recommended that older probes are flow tested and the calibration re-certified at that time.

Compatibility between the systems allows customers with large investments in probes to phase-in their upgrade to the new 400-series flowmeter. In most cases, probe performance on the TS420 will be enhanced.

### Cardiac Output Probes (A-Series & PAX-Series)

A-series probes for the TX06 are not compatible with the TS420. The signals of the A-series flowprobes are balanced by specialized circuitry that is not reliable on the new TS420 module. Choose the PAX-series for cardiac output measurements on the TS420. The transducers of the PAX-Series are independently balanced to eliminate compensation resistors that must be individually implemented for the A-series probes. The PAX-series have universal connectors which can be more easily repaired onsite if necessary.

## Perivascular Probe Series / Flowmeter Compatibility

Series	T106/T206 Flowmeter	TS420 Perivascular Flow Module	TS410 Tubing Flow Module
R-Series S-Series	Yes	Use 400-key	No
V-Series	Yes	Use 400-key	No
A-Series	Yes	No	No
PR-Series PS-Series	No	Yes	No
Nanoprobes	No	Yes	No
PAX-Series	No	Yes	No



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# 400-Series Compatibility

# T106/T206 Flowsensors

## Flowsensors for Tubing

N-Series and C-Series tubing flowsensors for the T106/T206 flowmeters are not compatible with the TS420 Perivascular module or the TS410 Tubing module. Choose the new PXN inline or PXL-Series sensors for tubing flow measurements with the TS410 module. In the TS410, Transonic Systems has implemented 4-transducer flow technology to provide better accuracy for flow

measurement through tubing materials. The program scheme of the TS410 allows each tubing flowsensor sensor to be calibrated for multiple tubing/fluid/temperature conditions. XL-sensors for the T110/T110R may be reconnectorized for the TS410 if within specification.

## Tubing Flowsensor Series / Flowmeter Compatibility

Series	T106/T206 Flowmeter	TS420 Perivascular Flow Module	TS410 Tubing Flow Module
N-Series	Yes	No	No
C-Series	Yes	No	No
XL-Series	No	No	Case-by-case basis connector change
PXN-Series	No	No	Yes
PXL-Series	No	No	Yes

## Connector Compatibility

### 4-Pin: CM4B, CM4S, CA4, CTSB4, CB4

These connectors are common between the TS420 and the TX06, but require different calibration keys for the TS420. TX06 probes can be upgraded with new 400-series keys.

### 10-Pin: CH10, CS10, CB10

TX06 probes with 10-pin connectors are programmed in the connector. They can be upgraded to the TS420 with a conversion cable (CH10-M2-CRA10) and 400-series key for cross compatibility. The conversion cable allows the probe to be used like a 4-pin probe with a key.

### Cross Compatibility

### 4-pin Probes

### CH10-pin Probes

<b>T106/T206 New Probe Orders</b>	400-Series key	400-Series key Conversion cable (CH10-ME-CRA10)
<b>Upgrade Old T106/T206 Probes</b>	Check & Normalize 400-Series key Recalibration	Check & Normalize 400-Series key Recalibration Conversion cable (CH10-M2-CRA10)

**Note:** Contact your area representative for cross compatibility charges.



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