



# Cardiovascular Ultra-Miniature Single Sensor Mikro-Tip Pressure Transducer Catheters

*Animal Use Only*



AT THE HEART OF SENSOR INNOVATION®

## Mikro-Tip Cardiovascular Catheters for Small Animals

Millar Instruments manufactures and markets a family of ultra-miniature reusable pressure catheters for use in small laboratory animals. The catheter body is narrower than the tip sensor to allow flexibility and to minimally obstruct the vessels or valves through which it passes. The sensor is side-mounted at the tip, and all models have straight tips. These ultra-miniature catheters range in size from 0.8 to 3.5 French and are available in usable lengths from 12 to 140 cm. (All catheter images are enlarged to show sensor position.)



**SPR-249**



**SPR-407**



**SPR-612**



**SPR-671**

Designed for animal research, the SPR-524 features advanced sensor design for maximum durability, drift of less than 3 mmHg per 24 hours and a versatile 3.5 French tip. This low-cost reusable catheter provides an affordable option to researchers requiring continuous high fidelity pressure measurement for up to seven days. The SPR-524 is often used to monitor pressures in the left atrium or ventricle; however, it may also be used in a variety of other animal research applications. (All catheter images are enlarged to show sensor position.)



**SPR-524**

NOTE: The SPR-524 is non-repairable and is warranted for 30 days against defects in materials and workmanship.

## For Animal Use

### Ultra-Miniature Single Pressure Sensor Intravascular Mikro-Tip Pressure Catheters

	SPR-249	SPR-249A	SPR-407	SPR-524	SPR-612	SPR-671	SPR-835
Part Number	840-2499	840-4509	840-4079	840-5249	840-6129	840-6719	840-8105
Catheter Material	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon	Nylon
Effective Length	140 cm	60 cm	140 cm	100 cm	65 cm	15 cm	12.5 cm
French Size (Sensor)	3	3	2	3.5	2	1.4	1.4
French Size (Catheter)	2.2	2.2	1.5	2.3	1.1	1.1	0.8
Tip Characteristics	Straight	Straight	Straight	Straight	Straight	Straight	Straight
Connector Type	Viking	Viking	Viking	Low Profile	Low Profile	Low Profile	Low Profile
Reusable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Repairable	Yes	Yes	Yes	No	Yes	Yes	Yes

NOTE: Viking connectors are round with 4 pins. Low Profile connectors are flat with 4 pins.

## Accessories

Millar Instruments offers a selection of Pressure Control Units and cables that interface Millar Mikro-Tip® catheter pressure transducers to physiological monitors. All accessories are sold separately.



PCU-2000



TC-510

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## Millar Worldwide Distribution

Millar Instruments, Inc. has a network of Authorized International Distributors in most countries around the world. For information on the Millar distributor in your country, please contact the Millar Customer Service Department at our headquarters in Houston.

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M.I. P/N 005-0950 Rev. A