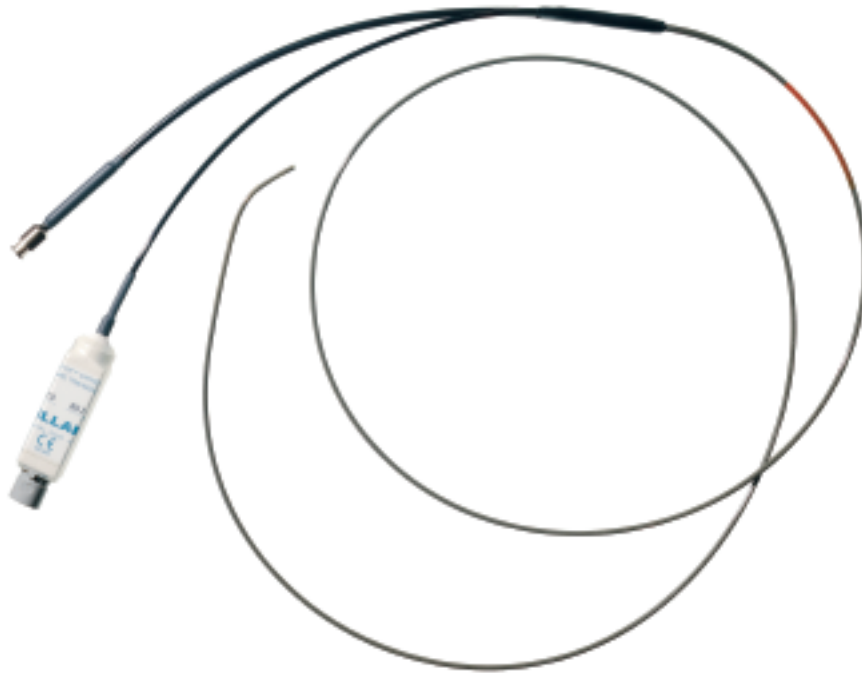


Cardiovascular Mikro-Tip Pressure Transducer Catheters



SINGLE PRESSURE SENSOR INTRAVASCULAR MIKRO-TIP PRESSURE CATHETERS

Millar Mikro-Tip® pressure intravascular catheters provide a simple, efficient and highly accurate method of measuring pressures in the heart or cardiovascular system. These reusable, thromboresistant Mikro-Tip catheters are ideal for high fidelity pressure measurement. Standard catheters range in size from 2 to 7 French and in length up to 140 cm. (All catheter images are enlarged to show sensor position.)



SPC-320



SPC-330



SPC-350



SPC-350S

For LA/LV Post Open-Heart Monitoring

The MPC-500 is a thromboresistant, low-cost reusable catheter designed for intraoperative placement. It can be used for post open-heart pressure monitoring. The MPC-500 provides accurate high fidelity pressure monitoring with no damping or danger of air embolism. (All catheter images are enlarged to show sensor position.)



MPC-500

Single Pressure Sensor Intravascular Mikro-Tip Pressure Catheters – Non-Lumen Models

	MPC-500	SPC-320	SPC-330	SPC-330A	SPC-340	SPC-340S
Part Number	807-1018	800-0509	800-1019	800-1029	800-2019	800-2019-1
Catheter Material	Polyurethane	Polyurethane	Nylon	Nylon	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron
Effective Length	70 cm	140 cm	65 cm	130 cm	120 cm	120 cm
French Size	5	2	3	3	4	4
Number of Sensors	1	1	1	1	1	1
Sensor Location from Tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip
Tip Characteristics	Straight	Straight	Straight	Straight	Curved	Straight
Connector Type	Viking	Viking	Viking	Viking	Viking	Viking
Reusable	Yes	Yes	Yes	Yes	Yes	Yes
Repairable	No	Yes	Yes	Yes	Yes	Yes

	SPC-350	SPC-350S	SPC-360	SPC-360S	SPC-370	SPC-370S
Part Number	800-4019	800-4019-1	800-5019	800-5019-1	800-6019	800-6019-1
Catheter Material	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron
Effective Length	120 cm	120 cm	120 cm	120 cm	120 cm	120 cm
French Size	5	5	6	6	7	7
Number of Sensors	1	1	1	1	1	1
Sensor Location from Tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip
Tip Characteristics	Curved	Straight	Curved	Straight	Curved	Straight
Connector Type	Viking	Viking	Viking	Viking	Viking	Viking
Reusable	Yes	Yes	Yes	Yes	Yes	Yes
Repairable	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Viking connectors are round with 4 pins.

NOTE: The MPC-500 is non-repairable and warranted for 30 days against defects in materials and workmanship.

SINGLE PRESSURE SENSOR INTRAVASCULAR MIKRO-TIP PRESSURE CATHETERS WITH LUMEN

Slow-Speed Injection and Sampling

Approved for Human Use. Millar manufactures and markets a line of Mikro-Tip pressure catheters with a lumen for fluid sampling or slow-speed injection; all are available in sizes from 5 to 7 French. (All catheter images are enlarged to show sensor and lumen position.)



High-Speed Injection

Millar manufactures and markets two models of single sensor catheters for high-speed injection. The lumen has two laterally opposed side openings on the SPC-471A. The SPC-474A has an open-end pigtail extension for use with a .032 inch (.8 mm) guide wire. Typical injections rates of radiopaque contrast dye (Renografin 76) at 1200 psi (8274 kPa) are 10 to 15 ml/sec. The SPC-471A injection lumen side openings are located 1 cm from the tip, and the model SPC-474A injection lumen is located 1 cm from the pigtail attachment. (All catheter images are enlarged to show sensor and lumen position.)



Single Pressure Sensor Intravascular Mikro-Tip Pressure Catheters With Lumen

	SPC-450	SPC-450S	SPC-470	SPC-471A	SPC-474A
Part Number	801-1019	801-1019-1	801-3019	802-2019	802-2059
Catheter Material	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron
Effective Length	120 cm	120 cm	120 cm	115 cm	120 cm
French Size	5	5	7	7	7
Sensor Location from Tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip	Side mounted at tip, proximal to pigtail
Tip Characteristics	Curved	Straight	Curved	Curved	Straight
Lumen Type	Sampling/ Slow speed injection	Sampling/ Slow speed injection	Sampling/ Slow speed injection	High speed injection	High speed injection/ Guide wire
Lumen I.D.	0.4 mm	0.4 mm	0.7 mm	1.0 mm	0.9 mm
Flow Rate (H ₂ O)	4 ml/minute @ 1 atmosphere	4 ml/minute @ 1 atmosphere	25 ml/minute @ 1 atmosphere	15 ml/second @ 1200 psi (8274 kPa)	15 ml/second @ 1200 psi (8274 kPa)
Flow Rate Radiopaque Contrast Dye (Renografin-76)	No	No	No	10-15 ml/second @ 1000 psi (6895 kPa)	10-15 ml/second @ 1000 psi (6895 kPa)
Guide Wire	No	No	No	No	.032 inch (.8 mm)
Pigtail	No	No	No	No	Yes
Connector Type	Viking	Viking	Viking	Viking	Viking
Reusable	Yes	Yes	Yes	Yes	Yes
Repairable	Yes	Yes	Yes	Yes	Yes

NOTE: Viking connectors are round with 4 pins.

Non-Invasive Pulse Tonometer

The SPT-301 is a hand-held wand probe equipped with a Mikro-Tip pressure sensor at the tip, designed for non-invasive recording of pulse pressure wave contours. The high frequency response ensures accurate reproduction of pulsatile waveforms.



SPT-301

Non-Invasive Pulse Tonometer

Model Number	Part Number	Size	Material	Cable Length	Connector Type
SPT-301	808-1019	1/4 inch diameter 6 inch length	Stainless Steel	150 cm	Viking

NOTE: Viking connectors are round with 4 pins.

DUAL PRESSURE SENSOR INTRAVASCULAR MIKRO-TIP PRESSURE CATHETERS

Millar manufactures and markets a line of dual pressure sensor catheters for simultaneous high fidelity pressure measurements. These catheters are suitable for measuring pressure gradients across a valve, between chambers, or across a vascular stenosis. The catheters are made of Polyurethane material (some include a woven Dacron braid), are thromboresistant, and range in size from 2.5 to 7 French. (All catheter images are enlarged to show sensor position.)



SPC-721



SPC-771

Dual Pressure Sensor Intravascular Mikro-Tip Pressure Catheters – Non-Lumen Models

	SPC-721	SPC-751	SPC-771	SPC-771S	SPC-771	SPC-771S
Part Number	803-0509	803-1009	803-4019	803-4019-1	803-4019-2	803-4019-3
Catheter Material	Polyurethane	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron
Effective Length	135 cm	120 cm	120 cm	120 cm	120 cm	120 cm
French Size	2.5	5	7	7	7	7
Number of Sensors	2	2	2	2	2	2
Sensor Location from Tip	First at tip, second 5 cm proximal	First at tip, second 3 cm proximal	First at tip, second 5 cm proximal	First at tip, second 5 cm proximal	First at tip, second 3 cm proximal	First at tip, second 3 cm proximal
Tip Characteristics	Straight	Curved	Curved	Straight	Curved	Straight
Connector Type	Viking	Viking	Viking	Viking	Viking	Viking
Reusable	Yes	Yes	Yes	Yes	Yes	Yes
Repairable	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Viking connectors are round with 4 pins.

DUAL PRESSURE SENSOR INTRAVASCULAR MIKRO-TIP PRESSURE CATHETERS WITH LUMEN

These dual pressure sensor catheters incorporate a lumen for sampling/slow-speed injection, slow-speed injection/guide wire, or high-speed injection/guide wire. The model SPC-784A for high-speed injection has two laterally opposed lumen side openings and an open-end pigtail extension for use with a guide wire.



SPC-760



SPC-780C



SPC-784A

Dual Pressure Sensor Intravascular Mikro-Tip Pressure Catheters with Lumen

	SPC-760	SPC-770	SPC-780C	SPC-784A
Part Number	804-1019	804-2019	804-6219	804-8009
Catheter Material	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron	Polyurethane/ Woven Dacron
Effective Length	120 cm	120 cm	120 cm	120 cm
French Size	6	7	8	8.5
Number of Sensors	2	2	2	2
Sensor Location from Tip	First at tip, second 5 cm proximal	First at tip, second 5 cm proximal	First at tip, second 5 cm proximal	First at tip, proximal to pigtail and lumen, second 5 cm proximal
Tip Characteristics	Curved	Curved	Straight	Straight
Lumen/Type	Sampling/Slow-speed injection	Sampling/Slow-speed injection	Slow-speed injection/Guide wire	High-speed injection/Guide wire
Flow Rate (H ₂ O)	5 ml/minute @ 1 atmosphere	25 ml/minute @ 1 atmosphere	55 ml/minute @ 1 atmosphere	9 ml/second @ 1200 psi (8274 kPa)
Flow Rate Radiopaque Contrast Dye (Renografin-76)	No	No	No	10 ml/second @ 1000 psi (6895 kPa)
Lumen Inside Diameter	0.5 mm	0.7 mm	0.8 mm	1.1 mm
Guide Wire	No	No	.032 inch	.038 inch
Pigtail	No	No	Yes	Yes
Connector Type	Viking	Viking	Viking	Viking
Reusable	Yes	Yes	Yes	Yes
Repairable	Yes	Yes	Yes	Yes

NOTE: Viking connectors are round 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.



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