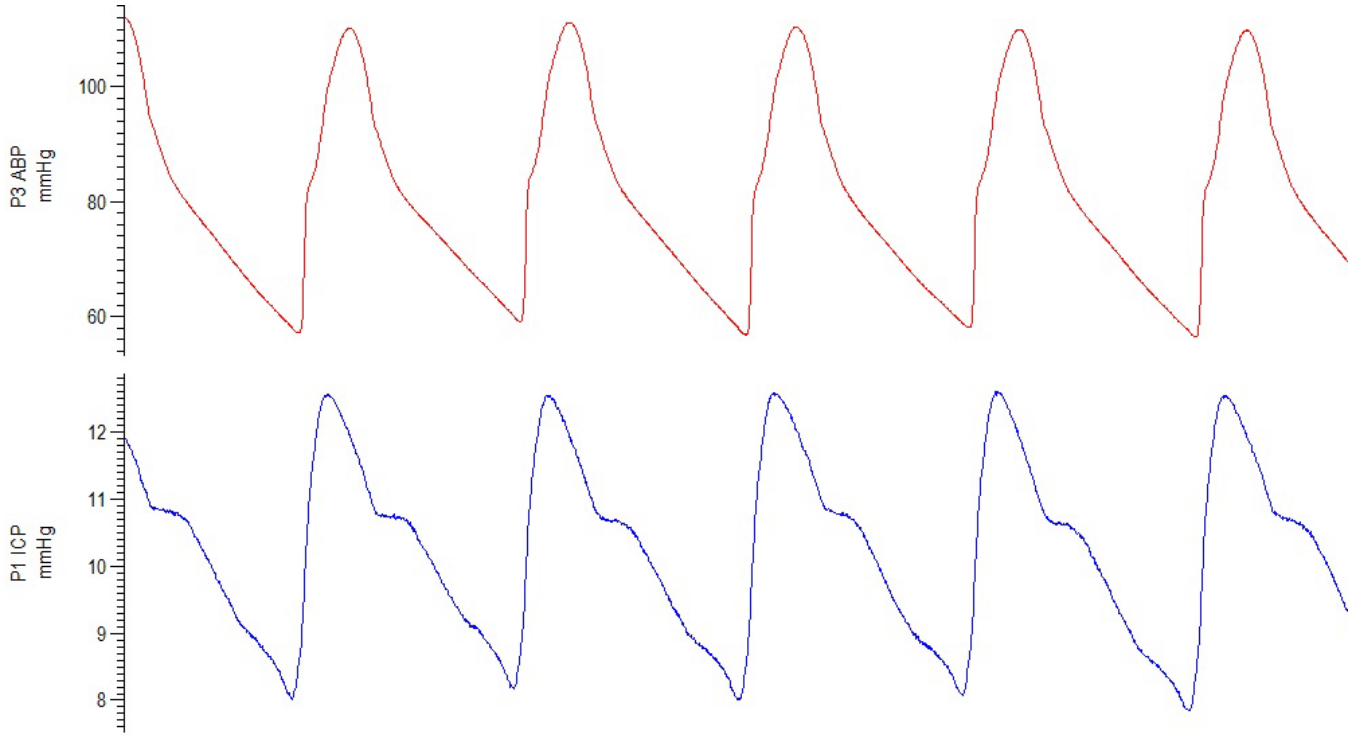
Scisense Pressure Catheters

Solid-State Pressure Catheters for use with SP200 or SP430 Pressure Systems



Dual pressure traces from rat femoral artery (red) and intracranial space (blue).

**Data courtesy of Prof. Alberto Avolio.
The Australian School of Advanced Medicine**

- Direct pressure measurement at the location of interest.
- Excellent response at high frequencies such as rodent heart rates.
- Customizable options to meet specific application requirements.
- Sizes for all animal models from 1.2F for mice to 7.0F for large animals.
- Easy to use and maintain without measurement artifacts.

5F Pigtail tip Catheter with ribbon technology for increased flexibility without decreasing robustness.

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Scisense Pressure Catheter Application Recommendations

DUAL PRESSURE CATHETERS

Dual Pressure Catheters allow for simultaneous measurement at two different locations such as the left ventricle and carotid artery for a more in depth view of physiological responses without the hassle of placing and syncing multiple Catheters. All Dual Catheters have customizable placement of the second pressure sensor to meet your applications needs.

CATHETER TIP OPTIONS

Make navigation and placement easy by choosing the right style of tip for your procedure. Catheters can be made with straight, curved, angled or pigtailed tips.

LUMEN OPTION

All 7.0F Catheters are available with an optional lumen to allow drug administration, blood sampling or guide wire insertion.

Contact your nearest customer service representative for recommendations and ordering information. Customizing Catheter may incur an additional charge.

PRESSURE CATHETER RECOMMENDATIONS		
ANIMAL	**APPLICATION/APPROACH**	**CATHETER**
Mouse	Arterial or ventricular pressure	1.2F single
	Ventricular and carotid (arterial) pressure simultaneously	1.2F dual
Rat	Arterial or ventricular pressure	1.6F single
	Ventricular and carotid (arterial) pressure simultaneously	1.6F dual
Rabbit	Arterial or ventricular pressure	1.6F or 3.5F single
	Ventricular and carotid (arterial) pressure simultaneously	3.5F dual
Large Animals (Dog, Pig, Sheep)	Arterial or ventricular pressure Carotid or femoral artery insertion	5.0F or 7.0F single pigtail tip
	Arterial or ventricular pressure Open chest surgery & apical insertion	5.0F or 7.0F single straight tip
	Ventricular and carotid (arterial) pressure simultaneously Carotid or femoral artery insertion	5.0F or 7.0F dual pigtail tip
	Ventricular and carotid (arterial) pressure simultaneously Open chest surgery & apical insertion	5.0F or 7.0F dual straight tip

Catheter size is based on animal weight and application. Small vessel applications may require a smaller catheter size than the listed suggestion. The spacing between the two pressure sensors on Dual Catheters is adjustable at no additional cost and should be determined based on animal size and application (location of pressure measurements). The first pressure sensor on small Catheters (1.2F - 3.5F) is at the tip and slightly proximal to the tip on large Catheters (5.0F - 7.0F).

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