

Probe Selection for Transonic Systems®

Perivascular Probes

Animal	Probe		Connector	Cable Length
	Acute	Chronic		
Mouse				
Abdominal Aorta	MA1PRB		CRA10	60 cm
Ascending Aorta	MA1.5PSL*		CRA10	60 cm
		MC1.5PSL*	CA4	60 cm
Carotid Artery	MA0.5PSB* MA0.7PSB*		CRA10	60 cm
		MC0.5PSB* MC0.7PSB*	CA4	60 cm
Femoral Artery	MA0.5PSB*		CRA10	60 cm
		MC0.5PSS*	CA4	60 cm
Hepatic Artery	MA0.5PSB*		CRA10	60 cm
		MC0.5PSB*	CA4	60 cm
Portal Vein	MA0.7PSB* MA1PRB		CRA10	60 cm
		MC0.7PSB* MC1PRB	CA4	60 cm
Pulmonary Artery	MA1PRB		CRA10	60 cm
Renal Artery	MA0.5PSB*		CRA10	60 cm
		MC0.5PSL*	CA4	60 cm
Superior Mesenteric Artery	MA0.5PSB* MA0.7PSB*		CRA10	60 cm
		MC0.5PSB* MC0.7PSB*	CA4	60 cm

Rabbit				
Abdominal Aorta (3.5 - 4.5 kg)	2R		CRA10	1 m
Ascending Aorta (2 - 4 kg)	4SB	2 mm R-Series	CRA10	1 m
Auricular Artery	V - Series	1PRB	CRA10	60 cm
Carotid Artery (2 - 4 kg)	MA2PSB	0.5 S-Series Nanoprobe	CRA10	1 m
Femoral Artery (4 kg)	1.5RB	2PS	CRA10	1 m
Jugular Vein (3 kg)	2PSB		CRA10	1 m
Portal Vein (3 kg)	2PSB		CRA10	1 m
Renal Artery (2.2 - 3.2 kg)	2PSB	2PSB	CRA10	1 m

Animal	Probe		Connector	Cable Length
	Acute	Chronic		
Rat				
Abdominal Aorta	MA2PSB		CRA10	1 m
		MC1.5PSB*	CRA10	60 cm
Ascending Aorta	MA2.5 - 3PS	MC2PSB - MC3PSB	CRA10	1 m
Carotid Artery	MA0.7PSB* - MA1PR	MA0.7PSB* - MC1PR	CRA10	60 cm
Femoral Artery	MA0.5PSB* MA1PRB		CRA10	1 m
Hepatic Artery (200 - 400 g)	MA0.5PSB*	MC0.5PSB*	CRA10	60 cm
Portal Vein (250 - 350 g)	MA2PSB		CRA10	1 m
		MC2PSB	CRA10	60 cm
Renal Artery	1PRB		CRA10	60 cm
	MA0.7PSB*	1PRB	CRA10	60 cm
Superior Mesenteric Artery (SMA)	MA0.7PSB* MA1PR		CRA10	60 cm
		MC0.7PSB	CM4	

Sheep				
Bronchial Artery (30 - 50 kg)	2PR		CRA10	60 cm
		2PR	CRA10	2 m
Carotid Artery (26 - 40 kg)	6RB	MC8PSS	CRA10	2 m
Femoral Artery (26 - 40 kg)	6RB	MC8PSS	CRA10	2 m
Portal Vein	MA16SS	MC6PSS	CRA10	1 m
Pulmonary Artery		MC20PSB	CRA10	1 m
Renal Artery (35 - 78 kg)		MC6PR	CRA10	1 m
Superior Mesenteric Artery (SMA)		MC6PR	CRA10	60 cm
Left Pulmonary Artery	MA4PSB - MA6PSB	MC4PSB -MC6PSB	CRA10	1 m

*Require the CRA10-S-CRA10 extension cable

Animal	Probe		Connector	Cable Length
	Acute	Chronic		
Fetal Sheep				
Carotid Artery		MC3PSS	CRA10	1 m
Femoral Artery		MC3PSS	CRA10	1 m
Left Pulmonary Artery	MA4PSB - MA6PSB	MC4PSB - MC6PSB	CRA10	1 m
Renal Artery	MA2PR	MC2PRS	CRA10	60 cm
Umbilical Artery	MA4PSB - MA6PSB	MC4PSB - MC6PSB	CRA10	1 m

Pigs				
Ascending Aorta	MA16PAX - MA28PAX		CRA10	2 - 3 m
		MA16PAX - MA28PAX	CRS10, CB12	2 m
Bronchial Artery	MA1PRB		CRA10	60 cm
		MC1PRB	CRS10, CM4	60 cm
Celiac Artery (15 - 25 kg)	MA4PSB		CRA10	1 m
		4R	CRA10	60 cm
		MC4PSB	CRS10, CM4	60 cm
Coronary Artery (20 - 35 kg)	MA2.5PSB MA3PSB		CRA10	1 m
		MC2.5PSS MC3PSS	CRS10, CM4	1 m
Portal Vein (30 kg)	10PSB 12PSB		CRA10	1 m
Pulmonary Artery	12PS		CRA10	1 m
	16PAX, 20PAX, 24PAX	24PAX	CRA10	2 m
Pulmonary Artery (Piglet)		8PSB - 12PSB	CRA10	1 m
Renal Artery	4PR		CRA10	60 cm
Superior Mesenteric Artery (SMA) (15 - 25 kg)	4R	4R	CRA10	60 cm

Probe Selection for Transonic Systems

In-line Flowsensors

In-Line Sensor	Tubing ID		Tubing Lip OD		Sensor Dimensions	
	mm	inches	mm	inches	total length w/tube ends (mm)	total length w/out tube ends (mm)
Cat #						
ME1PXN	1.2	3/64			pebax	6
ME2PXN	1.8	1/16			pebax	9
ME3PXN	2.4	3/32			pebax	12
ME4PXN	3.2	1/8	4.04	0.159	22	15
ME5PXN	4.8	3/16	5.79	0.228	31	20
ME6PXN	6.4	1/4	7.62	0.3	40	27
ME10PXN	9.5	3/8	11.1	0.437	57	39
ME13PXN	12.7	1/2	14.68	0.578	75	52
ME16PXN	15.9	5/8	18.21	0.717	91	63
ME19PXN	19.1	3/4	21.89	0.862	109	71
ME25PXN	25.4	1	28.96	1.4	146	100

Information required at time of ordering flowsensors

PXL ("Clamp-on") Tubing Flowsensors:

- Tubing type (30 cm Sample may be required)
- Operational Temperature
- Fluid (blood, saline, other)
- Expected Flow Ranges

PXN ("In-Line") Tubing Flowsensors:

- Application
- Operational Temperature
- Fluid (blood, saline, other)
- Expected Flow Ranges

Up to 4 combinations are possible for each sensor.

Perivascular Flowsensors:

The standard calibration for all perivascular probes is blood at 37°C. For a custom calibration specify other fluid and/or temperature at time of ordering.

Contact your nearest ADInstruments representative for further assistance.

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