

Ordering PS-, PR-, PAX-, PMP-, V-Series Flowprobes for TS420 Flowmeters Modules

Acute Use Flowprobes

Catalog # MA * * PR & PS-SERIES ONLY
size series cable orientation

Examples:

- MA 2 PS S** (Acute use 2 mm PS-Series probe, side cable exit)
- MA 0.5 PS B** (Acute use 0.5 mm PS-Series Precision probe, back cable exit)
- MA 20 PAX** (Acute use 20mm PAX-Series cardiac output probe)

Provided with standard configuration for acute use

- Size determined by vessel outer diameter in mm
- Maximum cable length for size
- CRA10 Redel connector to TS420 Flow Module
- Acute Calibration

MA-STANDARD ACUTE CONFIGURATION

INFORMATION NEEDED

- Size in mm
- Flowprobe Series
- Cable Orientation

Custom Configured Flowprobes

Custom configured probes are available for most probe series to meet individual application and implant needs. Contact Customer Service for species/vessel recommendations or configure probes from the table codes. Please note intended application for confirmation when ordering custom probes. Custom probes cannot be exchanged.

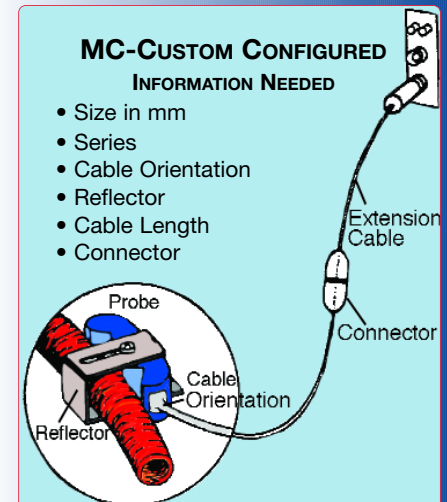
Catalog # MC * - * - - -
size series cable orient. reflector cable length connector calibration
 * PR & PS-SERIES ONLY

Application (species/vessel) _____

Custom constructed catalog numbers help for reordering flowprobes

Examples:

- MC 1.5 PS L - JN - WM40 - CA4S - GC**
 (1.5mm PS-Series, lateral cable, J-reflector, 40 mm probe cable, CA4S connector, chronic calibration)
Configured for chronic implant on mouse ascending aorta.
- MC 20 PAX - WC60 - CRS10 - GA**
 (20 mm PAX probe, 60 cm cable length, CRS10 connector, acute calibration)
Cardiac output probe for implant in dog.
- MC 3 PS B - MRI - WC100 - CRA10 - GA**
 (3 mm PS-Series probe with back cable orientation, non-magnetic components, 100 cm probe cable, CRA10 connector, acute calibration)
Probe configured for acute pig coronary flow during MRI.



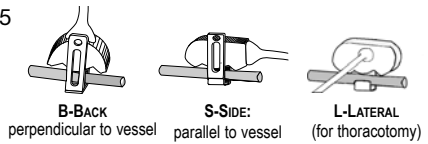
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ORDERING KEY

Precision Perivascular Flowprobes

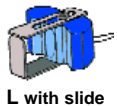

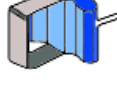
Cable Orientation

CABLE: MC1.5PSL-JN-WM40-CA4S-GC

CODE	ORIENTATION	PS-SERIES	PR-SERIES	DESCRIPTION
B	BACK	0.5 - 20	1 - 1.5	
S	SIDE	0.5 - 20	1	
L	LATERAL	1.5 - 2.5	NA	

Reflector Styles

*REFLECTOR STYLE: MC1.5PSL-JN-WM40-CA4S-GC *PS & PR-SERIES ONLY

CODE	DESCRIPTION	PS-SERIES	PR-SERIES	STYLES
LS	L reflector w/slide cover	3 - 20	NA	
LSF	L w/slide & silicone flange	3, 4, 6	NA	
JN	J reflector, no slide (lateral cable orientation)	0.5 - 16	1 - 1.5	
JS	J reflector with slide cover	2 - 16	1 - 1.5	
JSF	J w/slide & silicone flange	2, 2.5	NA	
U	Stainless U reflector	3 - 20	NA	
U SW	U w/wide silicone shield	6 - 20	NA	
U SN	U w/narrow silicone shield	6 - 20	NA	
MRI	non-magnetic reflector	2 - 20	NA	

Probe Cable Lengths

CABLE LENGTH: MC1.5PSL-JN-WM40-CA4S-GC

CODE	DESCRIPTION	PS-SERIES	PR-	PAX-
WM xxx	Up to 600 mm (60 cm)	Nanoprobes	NA	NA
WC xx	Up to 60 cm	NA	1 - 1.5	NA
WC xxx	Up to 100 cm	2 - 20	custom	NA
WC xxx	Up to 200 cm	NA	NA	8 - 36

(Substitute desired cable length in cm or mm for xx)

Connector Styles

CONNECTORS: MC1.5PSL-JN-WM40-CA4S-GC

CODE	DESCRIPTION	400 KEY REQUIRED	PS-	PR-SERIES	PAX-
10-PIN FOR USE WITH CRA10 EXTENSION CABLES					
CRA10	Redel acute connector	No	— all sizes —		
CRS10	Redel sealed connector w/cap	No	— all sizes —		
CRB10	Redel skin button w/cap	Yes	— all sizes —		
4-PIN FOR USE WITH CM4 OR CA4 EXTENSION CABLES					
CM4B	Mini connector w/cap (straight)	Yes	— all sizes —		NA
CM4S	Mini connector w/cap (right angle)	Yes	— all sizes —		NA
CA4B	Micro connector (straight)	Yes	0.5 - 10	NA	
CA4S	Micro connector (right angle)	Yes	0.5 - 10	NA	
CTSB4	Delrin skin button	Yes	— all sizes —		NA
CB4	Titanium skin button	Yes	— all sizes —		NA

(for descriptions, see connector page)

Calibration

CALIBRATION: MC1.5PSL-JN-WM40-CA4S-GC

CODE	DESCRIPTION	PS-SERIES	PR-SERIES	PAX-SERIES
GA	Acute Calibration	— All sizes—		Acute only
GC	Chronic Calibration	— All sizes—		
GX	Custom Calibration	— All sizes—		

Standard calibration for perivascular probes is blood at 37°C
Specify custom temperature or fluid.



Measuring the Flow of Life
Taughannock Falls, NY Richard Welch, Photographer

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Customer Service

Contact your local distributor for quotations, proforma invoices including shipping charges, delivery times and payment terms. Transonic Systems' celebrates worldwide distribution of its products through a network of distributors who are knowledgeable in research applications. Please feel encouraged to contact us if you have questions or visit our website for the most up-to-date product offerings, applications and technical support, reference materials and vessel/probe recommendations.

www.transonic.com

Limited Warranty

Transonic Systems Inc. warrants that ultrasonic perivascular flowprobes are free from defects which are the result of faulty material or workmanship by Transonic Systems, Inc. for a period of six (6) months (Nanoprobes: 3 months) from their date of shipment. The warranty of Transonic Systems shall not apply to:

- a) Defects caused by abuse, neglect or misuse (e.g. cut cable, pulled cable, broken probe body)
- b) Damage due to accident or casualty; or
- c) Unauthorized alterations; repairs made by anyone other than Transonic Systems, Inc.

Transonic Systems Inc. will, at no charge to the user, either repair or replace a defective flowprobe during its warranty period. The Buyer pays shipping charges to Transonic Systems Inc. plant. Transonic will pay for the return shipping charges.

No other warranty oral or written, expressed or implied. Transonic Systems is not liable for incidental or consequential damages. Warranty is valid only if equipment is purchased through Transonic Systems or its duly appointed distributor or licensed representative.

Calibration Certification & Repair Service

Transonic Systems Precision Flowprobes are precalibrated at the factory with equipment that has been calibrated traceable to the standards of National Institute of Standards and Technology and to Transonic Systems Inc. equipment performance standards. At purchase, Perivascular Flowprobes are supplied with a Certificate of Calibration that is valid for one year. Flowprobes may be returned to Transonic Systems for recalibration if Calibration Certification is required for GLP studies.

Transonic Systems will also perform repairs on flowprobes which have been damaged or cut. Contact Transonic Systems or your local distributor for an RMA # (Return Materials Authorization).

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