

TTFM Probe Application Guide & Product List

Medistim's QuickFit™ and Vascular probes utilize transit time flow measurement (TTFM) technology to accurately measure volumetric blood flow intraoperatively. Medistim technology is frequently used in cardiac, vascular and transplant surgical applications.

Reliable, proven technology for best possible surgical outcomes

Together with Medistim's systems, the QuickFit™ and Vascular TTFM probes offer fast, accurate and reproducible measurements. Having functional information about a graft is key to verifying graft patency and function. The ultimate benefit is quality assurance with immediate feedback that can lead to improved surgical outcomes.

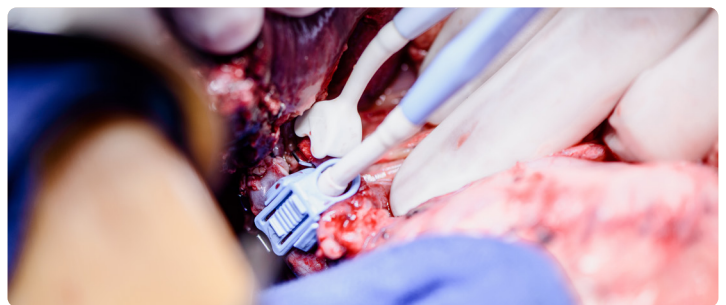
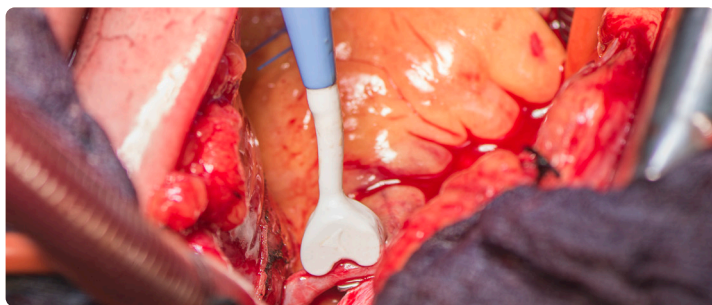
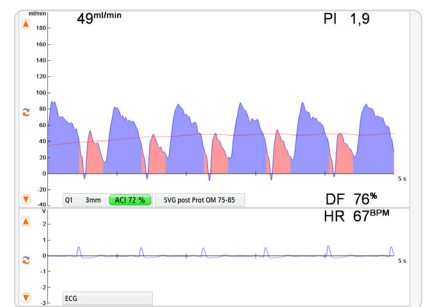
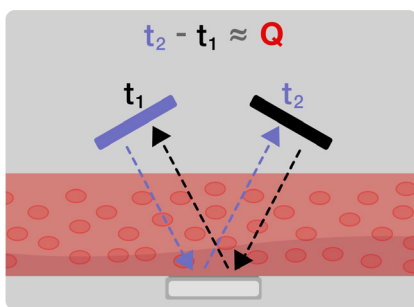
Medistim QuickFit™ TTFM Probes

The QuickFit™ design securely holds the vessel and ensures precise measurements on all types of vessel grafts.



Medistim Vascular TTFM Probes

The Vascular probe features a locking slide mechanism designed to secure the vessel while minimizing the manipulation of fragile or calcified vessels.



TTFM Probe Application and Size Guide

Cardiac Surgery

Surgery/Vessel	Vessel Size (mm)	Recommended Medistim probes
Saphenous Vein Graft	3-6	3, 4, 5 and 6mm Medistim TTFM probes (PS or PV probe series)
Internal Mammary Artery	1.5-3	1.5, 2 and 3mm Medistim TTFM probes (PS or PV probe series)
Radial Artery	2-4	2, 3, and 4mm Medistim TTFM probes (PS or PV probe series)
Pediatric Surgery	1.5-16	1.5 - 16mm Medistim TTFM probes (PS or PV probe series)

Transplant Surgery

Surgery/Vessel	Vessel Size (mm)	Recommended Medistim probes
Hepatic Artery	4-8	4, 5, 6, 7, and 8mm Medistim TTFM probes (PS or PV probe series)
Portal Vein	10-14	10, 12, and 14mm Medistim TTFM probes (PV probe series)
Renal Artery	4-6	4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
Renal Vein	8-11	8, 10, and 12mm Medistim TTFM probes (PV probe series)
Common Iliac Artery	6-8	6, 7, and 8mm Medistim TTFM probes (PS or PV probe series)

Vascular Surgery

Surgery/Vessel	Vessel Size (mm)	Recommended Medistim probes
Common Carotid Artery	6-9	6, 7, 8, and 10mm Medistim TTFM probes (PS or PV probe series)
Internal Carotid Artery	4-6	4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
External Carotid Artery	4-6	4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
Common Femoral Artery	8-11	8, 10, and 12mm Medistim TTFM probes (PV probe series)
Popliteal Artery	3-6	3, 4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
Tibial Artery	3-4	3 and 4mm Medistim TTFM probes (PS or PV probe series)
Saphenous Vein	3-6	3, 4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
Renal Bypass	4-6	4, 5, and 6mm Medistim TTFM probes (PS or PV probe series)
Radial Artery	2-4	2, 3, and 4mm Medistim TTFM probes (PS or PV probe series)
Brachial Artery	3-4	3 and 4mm Medistim TTFM probes (PS or PV probe series)

Medistim QuickFit™ and Vascular TTFM probes are designed to meet worldwide sterilization standards and are approved for most commercial sterilization methods and technologies.

Medistim QuickFit™ TTFM Probes - (PS Probe Series)



Probe sizes (mm)	Part numbers w/o handle*	Part numbers w/ handle*
1.5	PS101011	PS101012
2	PS100021	PS100022
3	PS100031	PS100032
4	PS100041	PS100042
5	PS100051	PS100052
7	PS100071	PS100072

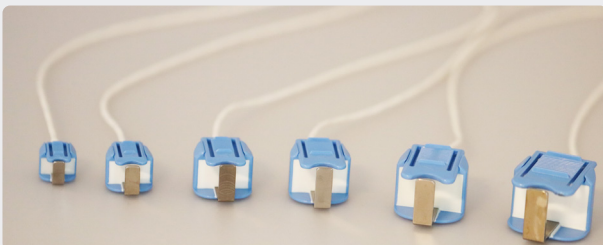
*Part numbers that end with 1 indicate probes without handle and part numbers that end with 2 indicate probes with handle.



Medistim Vascular TTFM Probes - (PV Probe Series)



Probe sizes (mm)	Part numbers w/o handle*	Part numbers w/ handle*
1.5	PV101011	-
2	PV100021	-
3	PV100031	PV100032
4	PV100041	PV100042
5	PV100051	PV100052
6	PV100061	PV100062
8	PV100081	PV100082
10	PV100101	PV100102
12	PV100121	PV100122
14	PV100141	PV100142
16	PV100161	PV100162



*Part numbers that end with 1 indicate probes without handle and part numbers that end with 2 indicate probes with handle

All products mentioned in this brochure are in compliance with the European Medical Device Directive 93/42/EEC. Please refer to the User Manual for indications, contraindications, warnings, precautions, and further specifications and descriptions. Specifications may be changed without notice. For a list of flow probes for other applications, contact your Medistim representative.

FDA 510(k) cleared no. K102595
 FDA 510(k) cleared no. K040228

