



Flexibility for Your Clinical Needs

*Transducers providing reliable precision with
customized configurations and a clear fluid path.*

MERITRANS®

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The Meritrans® can be customized for any configuration to better meet your needs and reduce your set-up time.

BASIC CONFIGURATIONS

MER100	Meritrans with winged housing and 12" (30.5cm) cable
MER148	Meritrans with winged housing and 48" (122cm) cable
MER200	Meritrans with non-winged housing and 48" (122cm) cable
MER212	Meritrans with non-winged housing and 12" (30.5cm) cable
MER110	Pole mount organizer with two transducer mounts
MER111	Pole mount organizer with four transducer mounts
MER112	Clipper® pole mount with rotating jaw
MER113	Clipper® pole mount with non-rotating jaw
MER113A	Autoclavable Clipper® pole mount with non-rotating jaw
MER300	Reusable transducer cable
MER555	0.2 micron filter

* Contact your sales rep for custom configurations

SPECIFICATIONS

Operating Pressure Range	-50 to + 300 mmHg
Sensitivity	5µV/V/mmHg, ± 1%
Zero Offset	0 ± 25 mmHg
Non-linearity and Hysteresis	0 to 100 mmHg : ± 1 mmHg 101 to 200 mmHg : ± 1.5% 201 to 300 mmHg : ± 2.0%
Zero Temperature Coefficient	0.3 mmHg per degree C
Zero Drift	<2 mmHg; 8 hour drift after warmup
Defibrillation Withstands	5 x 360 Joules
Leakage Current	<10 µA at 120 Vac RMS 60 Hz
Volume Displacement	< .03 mm ³ at 100 mmHg
Natural Frequency	>200 Hz in 0.9% saline
Over pressure Protection	-400 to 6000 mmHg
Operating Temperature	15°C to 40°C
Output Impedance	300 Ω ± 10%
Input Impedance	1800 to 4500 Ω (pressure sensor only) 350 Ω ± 10% with MER300 series cable
Excitation Voltage and Frequency	2.5 to 10 Vdc or Vac RMS to 5 KHz
Light Sensitivity	< 5 mmHg
Phase Shift	< 5° (0 to 5 KHz)
Storage Temperature	-25°C to 70°C
Cal Factor	100 ± 2.5% mmHg
Maximum Shock Acceleration	Withstands shock of 5 falls from 2 meters onto a concrete floor

FLEXIBILITY

Available in both hand-held and Paley set-ups, the Meritrans® can also be configured with Merit's broad range of accessories.

- Marquis® Series stopcocks
- Over 240 different manifolds
- Control syringes - including the Inject8™ and the new Inject10™
- Medallion® color coded syringes



MERIT CLIPPER® AND ORGANIZER

Available in both two and four transducer models. The Clipper and Organizer easily attach to any size I.V. pole and accommodate both horizontal and vertical transducer positions.



THE MENTOR™

An electronic, hand-held simulator to help you troubleshoot your hemodynamic system.



Merit Medical Systems, Inc. ▪ 1600 West Merit Parkway, ▪ South Jordan, Utah 84095 ▪ 1-801-253-1600 ▪ 1-800-35-MERIT
 Merit Medical Europe ▪ Horsterweg 24 ▪ 6199 AC MAASTRICHT- AIRPORT The Netherlands ▪ +31 43 35 88 222
 Merit Medical Ireland Ltd. ▪ Parkmore Business Park West Galway, Ireland ▪ +353 (0) 91 703 733
 Free phone from specific country:

Belgium 0800 72906 ▪ **France** 0800 91 60 30 ▪ **Germany** 0800 182 0871 ▪ **Luxembourg** 0800 22522 ▪ **Netherlands** 0800 022 8184 ▪ **UK** 0800 973 115

U.S. Patent Numbers 5,581,038, 5,273,047

www.merit.com

400545002/B ID 120606