



## ***Flexibility for Your Clinical Needs***

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

**MERITRANS®**

# MERITRANS®

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

## BASIC CONFIGURATIONS

MER100	Meritans with winged housing and 12" (30.5cm) cable
MER148	Meritans with winged housing and 48" (122cm) cable
MER200	Meritans with non-winged housing and 48" (122cm) cable
MER212	Meritans 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

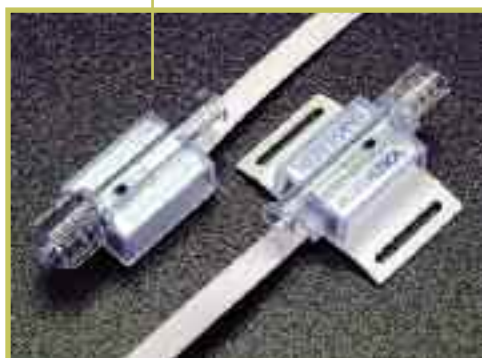
## SPECIFICATIONS

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 mm³ 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 Meritans® 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.



Innovations in Cardiology & Radiology

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