

Transducers

- Provides Reliable Precision
- Clear Fluid Path
- Hand-held and Paley Setups
- Customized Configurations also Available

SPECIFICATIONS

Operating Pressure Range	-50 to + 300 mmHg
Sensitivity	5 μ V/mmHg, \pm 1%
Zero Offset	0 \pm 25 mmHg
Non-linearity and Hysteresis	0 to 100 mmHg : \pm 1 mmHg 101 to 200 mmHg : \pm 1.5% 201 to 300 mmHg : \pm 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 μ A at 120 Vac RMS 60 Hz
Volume Displacement	< .03 mm 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 \pm 10%
Input Impedance	1800 to 4500 (pressure sensor only) 350 \pm 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 \pm 2.5% mmHg
Maximum Shock Acceleration	Withstands shock of 5 falls from 2 meters onto a concrete floor

Single use. Sold packaged non-sterile. For sterile and other packaging options, please contact a Merit OEM representative.



Merit's wholly owned subsidiary Merit Sensor designs and manufactures piezoresistive pressure sensors included in the Meritrans Transducer as well as Merit's digital inflation devices. www.MeritSensor.com

SEE RELATED PRODUCTS



Syringes
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Stopcocks
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Manifolds
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Meritrans® Blood Pressure Transducers



With Non-Winged Housing and 3-Way and 1-Way Stopcocks with 48" (122cm) cable

K11-00202P



With Non-Winged Housing and 3-Way Stopcock (Med Pressure, Rotating Male Adapter) and 1-Way Stopcock with 48" (122cm) cable

K11-00392AP



With Winged Housing and 2 Bonded Standard Pressure 1-Way Stopcocks with 12" (30cm) cable

K11-00098AP



With Non-Winged Housing and 3-Way Stopcock bonded to both ends with 48" (122cm) cable

K11-00144AP



With Non-Winged Housing and Bonded Standard Pressure 1-Way Stopcock with 48" (122cm) cable

K11-00137AP



With Winged Housing and Bonded Standard Pressure 3-Way and 1-Way Stopcocks with 12" (30cm) cable

K11-00100AP

KITS, TRAYS, & SETS

Meritrans® Blood Pressure Transducers



With Non-Winged Housing with 12" (30cm) cable

MER212P



With Non-Winged Housing with 48" (122cm) cable

MER200P



With Winged Housing with 12" (30cm) cable

MER100P



With Winged Housing and 2 Bonded Standard Pressure 3-Way Stopcocks with 12" (30cm) cable

K11-00099AP



With Winged Housing and Bonded Standard Pressure 1-Way and 3-Way Stopcocks with 12" (30cm) cable

K11-00096AP



With Winged Housing with 48" (122cm) cable

MER148P



Medium Pressure Transducer
0-100 PSI

501669001



High Pressure Transducer
0-440 PSI

501750001

Transducers Flush Device



Adult 3cc/hr flow rate.
White

270428001



Pediatric 30cc/hr flow rate.
Yellow

270428002

The Mentor™ Pressure Transducer Simulator/Tester



Accuracy:

±1% of Reading or ±1mmHg, Whichever is greater

Sensor Overpressure:

1000mmHg

Mentor Working Pressure Range:

+300 mmHg, Displays "OPr" when outside this range

Transducer Simulator:

- Sensitivity: 5 μ V/V/mmHg, +/- 1%
- Excitation: 2 to 10 vdc, or vac rms to 5 khz
- Input Impedence: 2300 Ω , 330 Ω with Reusable Cable
- Output Impedance: 300 Ω
- Asymmetry: Less than 1%

Electronic, hand-held simulator to help you troubleshoot your hemodynamic system

MER500

With 0.2 Micron Microbiological Filter

MER555