Flexibility for Your Clinical Needs

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

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

Basic Configurations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MER100</td>
<td>Meritrans with winged housing and 12” (30.5cm) cable</td>
</tr>
<tr>
<td>MER148</td>
<td>Meritrans with winged housing and 48” (122cm) cable</td>
</tr>
<tr>
<td>MER200</td>
<td>Meritrans with non-winged housing and 48” (122cm) cable</td>
</tr>
<tr>
<td>MER212</td>
<td>Meritrans with non-winged housing and 12” (30.5cm) cable</td>
</tr>
<tr>
<td>MER110</td>
<td>Pole mount organizer with two transducer mounts</td>
</tr>
<tr>
<td>MER111</td>
<td>Pole mount organizer with four transducer mounts</td>
</tr>
<tr>
<td>MER112</td>
<td>Clipper® pole mount with rotating jaw</td>
</tr>
<tr>
<td>MER113</td>
<td>Clipper® pole mount with non-rotating jaw</td>
</tr>
<tr>
<td>MER113A</td>
<td>Autoclavable Clipper® pole mount with non-rotating jaw</td>
</tr>
<tr>
<td>MER300</td>
<td>Reusable transducer cable</td>
</tr>
<tr>
<td>MER555</td>
<td>0.2 micron filter</td>
</tr>
</tbody>
</table>

* 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 per 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 ± 10% for MER300 series cable
- Input Impedance: 1800 to 4500 Ω (pressure sensor only) or 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 mV/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.

- Marquise® 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.