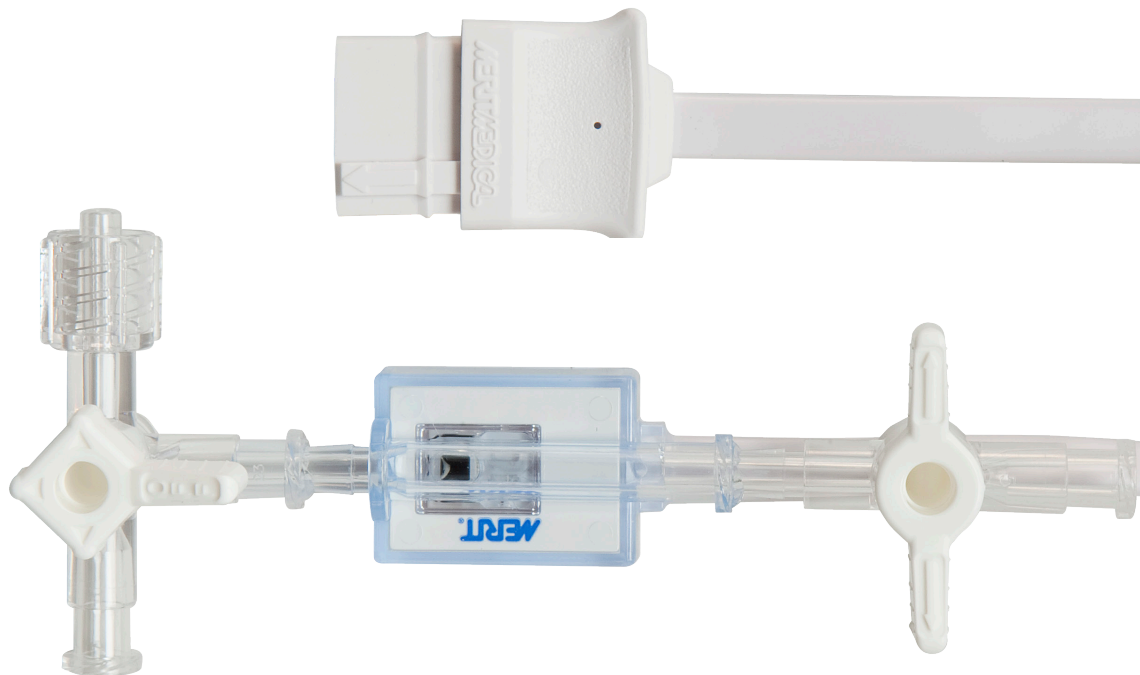
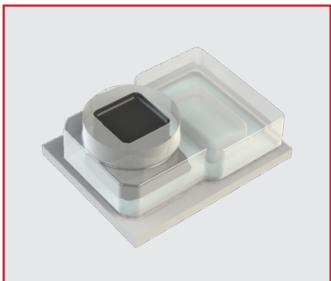
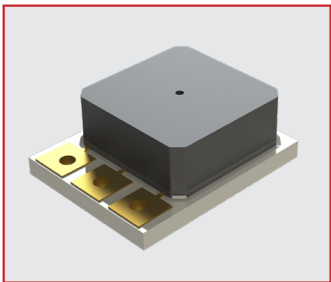
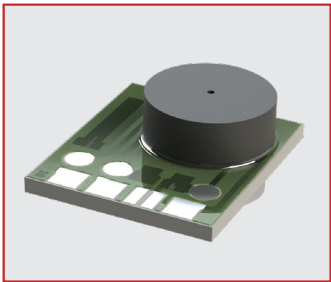




# PRESSURE SENSORS & TRANSDUCERS



LEADER IN PRESSURE SENSOR TECHNOLOGY

# MERIT SENSOR – THE SUPERIOR PRESSURE SENSOR PARTNER

For more than 30 years, Merit Sensor has been a trusted provider of high-performance MEMS piezoresistive pressure sensor technology. Designed for precision, reliability, and versatility, our sensors serve a wide range of industries and applications — from medical devices such as blood pressure monitors to automotive, industrial, and consumer electronics.

At the heart of our capabilities is our world-class, on-site MEMS wafer fabrication facility. Unlike many sensor manufacturers, we design and manufacture our own MEMS silicon dies in-house. This vertical integration gives us complete control over quality, performance, and lead time — ensuring that every sensor meets the most rigorous standards.

Merit Sensor products support pressure ranges from 0 to 15,000 psi and operate in harsh environments from -40 to 150 °C. Our sensor dies are available in absolute, gauge, vacuum, and differential configurations.

We also specialize in customization. Whether it's tuning sensitivity, adjusting resistance values, or meeting unique calibration requirements, our team works closely with customers to deliver solutions tailored to their exact specifications.

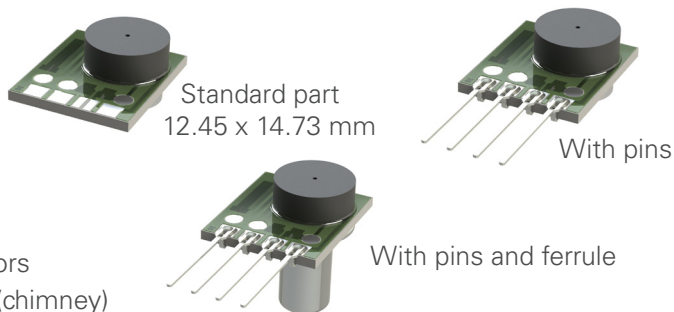
All products are RoHS, REACH, and AEC-Q100 compliant. We are ISO 9001:2015 and ISO 14001:2015 certified, demonstrating our commitment to quality, environmental responsibility, and customer satisfaction.



# Pressure Components

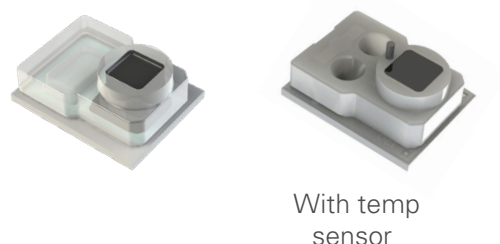
## AP Series

- Low-cost passively compensated pressure assembled to measure air, gas or liquid
- Ideal for medical applications such as inflation devices, diagnostics, fluid monitoring, etc.
- -15 to 1000 psi (-1 to 68.9 bar; -103 to 6,895 kPa)
- Calibrated at room temperature using laser trimmed resistors
- Customizable packaging options including pins and ferrule (chimney)



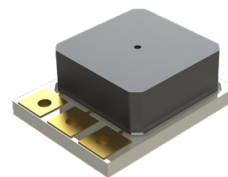
## BP Series

- Low-cost passively compensated pressure assemble to measure air, gas or liquid
- Ideal for medical applications such as intravenous blood pressure monitoring, extracorporeal membrane oxygenation (ECMO), and heart-lung machines medical, etc.
- -500 to 1000 mmHg
- Calibrated at room temperature using laser trimmed resistors
- Customizable packaging to include temperature sensing



## TR Series

- Actively compensated pressure assemble to measure air, gas or liquid
- Ideal for higher accuracy medical applications with wider operating temperature such as pharmaceutical, bio-processing, blood analysis, gas chromatography, etc.
- -15 to 500 psi (-1 to 34.5 bar; -103 to 3,447 kPa)
- Calibrated full scale over an extend pressure range
- Customizable packaging options including Molex or RJ11 connector



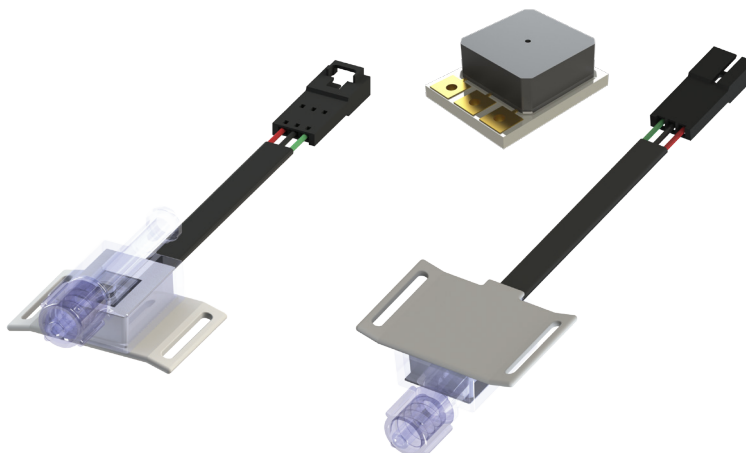
## Pressure Transducer Assembly – Amplified Output

Real-time signal compensation and amplified output for the most critical pressure sensing requirements.

- Integrated electronics provide analog output
- Amplified 5v signal output
- Active pressure sensing compensation
- Plug-and-play

### Applications

- Air, gas, and liquid pump systems
- Diagnostic and analysis equipment
- Other medical equipment



# Meritans® Blood Pressure Transducers



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

**K11-00202P**



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

**K11-00392BP**



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

**K11-00098AP**



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

**K11-00137AP**



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

**565242015**



Winged Housing with 12" (30cm) cable

**MER100P**

## Meritans® Blood Pressure Transducers



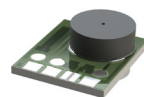
Winged Housing and 2 Bonded  
Standard Pressure 3-Way  
Stopcocks with 12" (30cm) cable

**K11-00099AP**



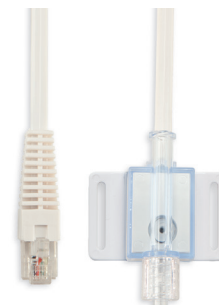
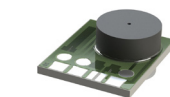
Winged Housing with 48"  
(122cm) cable

**MER148P**



Medium Pressure Transducer  
0 - 100 PSI

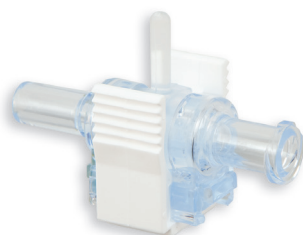
**501669003**



High Pressure Transducer  
0 - 440 PSI

**501464001**

## Transducers Flush Device



Adult 3cc/hr flow rate.  
White

**270428001**



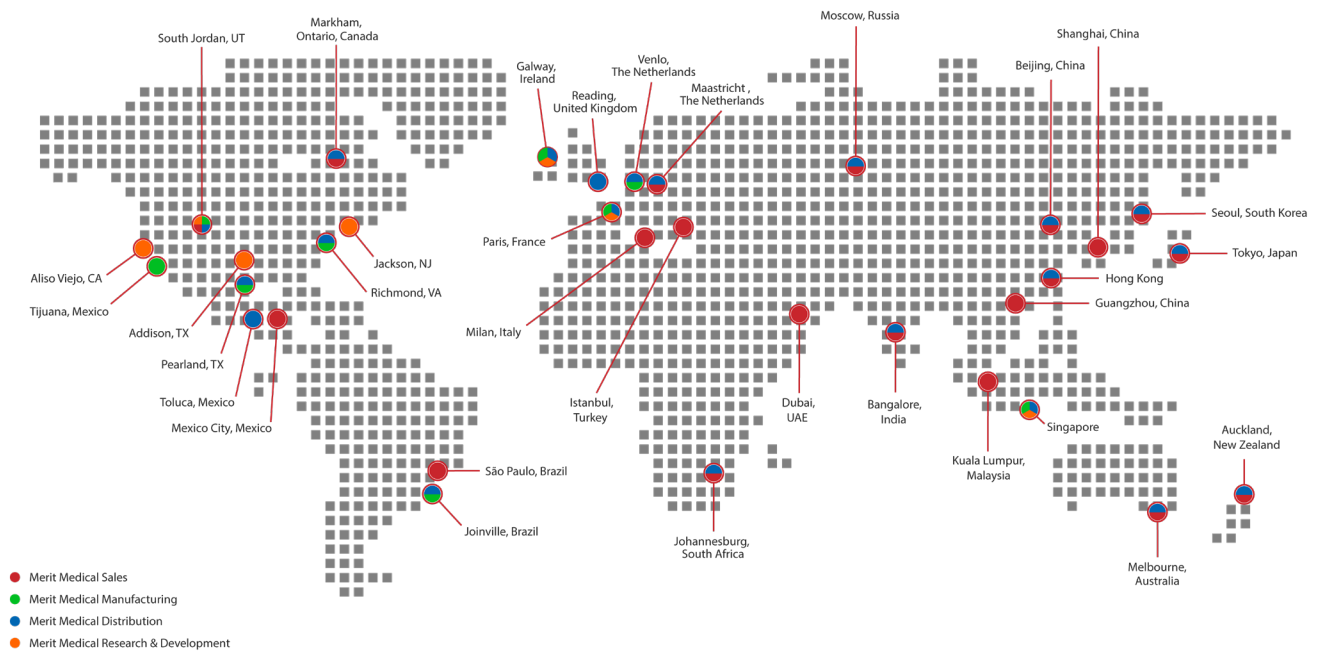
Pediatric 30cc/hr flow rate.  
Yellow

**270428002**



COMPONENTS | DEVICES | POSSIBILITIES™

Merit Medical Systems, Inc. (NASDAQ: MMSI) has been designing, manufacturing and marketing single-use medical devices to customers worldwide for over 25 years. Throughout its evolution to a successful global company, Merit has developed the organizational infrastructure required to succeed in a competitive, dynamic and highly regulated industry. Merit's OEM customers benefit not just from Merit's components and devices, but also from the organization that supports them.



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