

# PIHER *sensing* systems

-- Medical Capabilities for Better Patient Care --



## Position sensors Ventilators components guide



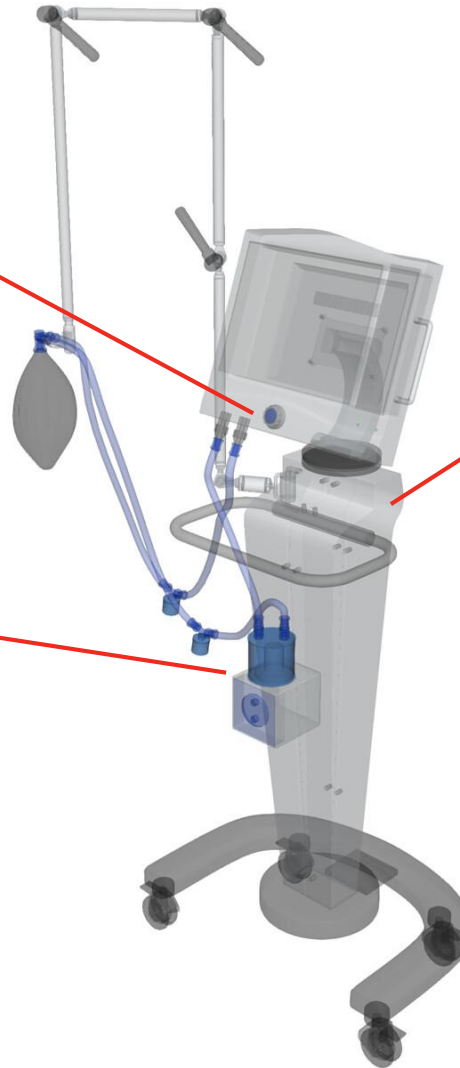
### HMI

- Mode selector (i.e. speed of the air)
- Pressure & minute volume adjust
- Peep adjust
- Frequency adjust



### Power systems

- uninterruptible power supply
- Trimmer for motor drive



### Sensors

- Valve camshaft position
- Camshaft position



## Ventilator Components Guide– Potentiometer

### Potentiometers (\*) -- Piher *Sensing* Systems



**Application:** Trimmer of Motor Driver Supply

**Range:**  $100\Omega \leq R_n \leq 5M\Omega$

**Product Family:** 6 and 10mm family

**Feature:** Low cost



**Application:** Control Application for Speed of the Air

**Range:**  $100\Omega \leq R_n \leq 5M\Omega$

**Product Family:** ST15, PC-16 T-21

**Feature:** 25K cycle

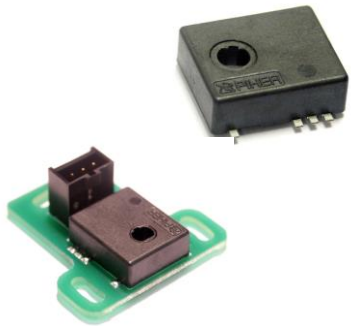
<https://www.piher.net/sensors/>

(\*) Crosses for competitor products available. Contact Piher for further details.

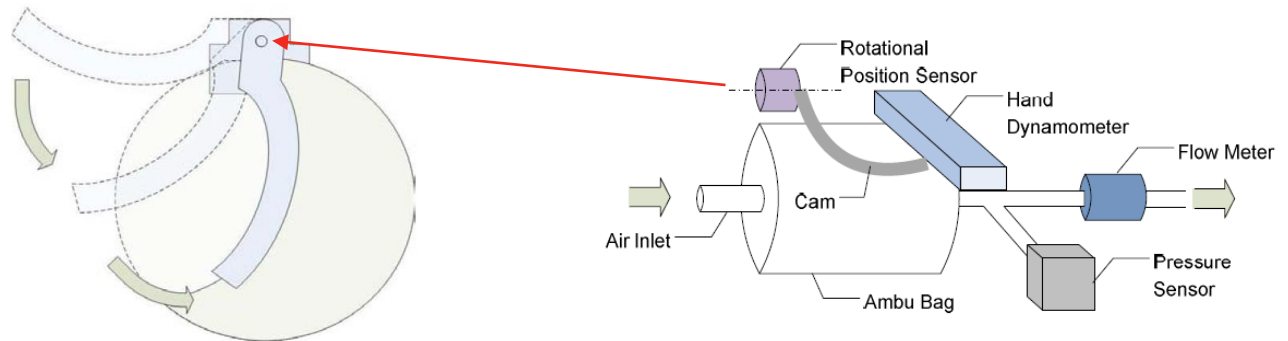
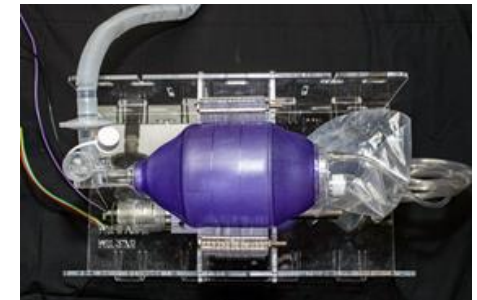


## Ventilator Components Guide – Position Sensors

### Rotary Position sensors – Piher *Sensing* Systems



**Application:** CAM shaft position sensor  
**Range:** 0-5V over 360 degrees  
**Product Family:** MTS360, MTS360PCB  
**Feature:** 50 Mi cycles



*Images courtesy of MIT*

## Other sensors and products

### Pressure Sensor– All Sensors and Nova Sensors

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<https://www.amphenolsensors.com/>

### Temperature Sensors – Thermometrics and Teleaire

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<https://www.amphenol-sensors.com/en/>

### Oxygen Sensors -- SGX Sensortech

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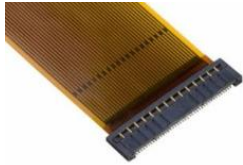


<https://www.sgxsensortech.com/>

## Other sensors and products

FFC/FPC – Flex Circuit Connectors SO-DIMM – DDR2 & DDR4 memory module sockets

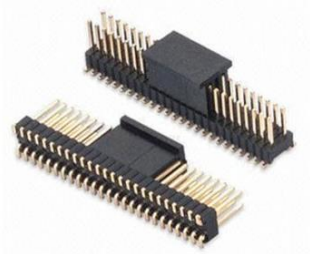
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<https://www.amphenol-icc.com/>

Board-to-Board Headers – 2.54, 2.00 and 1.27mm pitch

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[https://www.amphenol-icc.com](https://www.amphenol-icc.com/)

Minitek® Pwr – 3.0 and 4.2mm Connector Systems

USB – Mini, Micro, Types A, B and C

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[https://www.amphenol-icc.com](https://www.amphenol-icc.com/)

## Other sensors and products

### Modular & Magnetic Jacks – Wire-to-Board Signal Solutions

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<https://www.amphenol-icc.com/>

### Cable Assemblies

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<http://amphenol.co.il/solutions-products/cable-solutions/>

### Thermal Validation System Cold Chain Monitoring During Transport

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<https://www.kayeinstruments.com>

# PIHER *sensing* systems

Amphenol Sensors

an Amphenol® company



## Enabling the Electronics Revolution

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IATF 16949:2016



Certification

BSI Certificate Number: 585584  
IATF Number: 0327014

ISO 9001:2015



Certification

BSI Certificate Number: **FM 596631** Certificate Number:

ISO 14001:2015



**ES093953-1**