



# Single-Use Pressure Sensors



The single-use pressure sensors feature a high-pressure piezo-resistive transducer to accurately measure static and dynamic pressures of gases and liquids up to 75 psi. Unobstructed, flowthrough design minimizes dead space and pressure drops. The disposable sensor connects to most data acquisition systems with a 12" reusable interface cable with over-molded four-position connector.

Pressure sensors come with luer fittings for quick, leak-free connections. Sensors feature both a male lock and female luer connectors. Sterile options are sterilized by ethylene oxide (EtO).



## CERTIFICATION

All fluid contact components meet USP Class VI and ISO 10993 compliance

**WARNING:** This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

## APPLICATIONS

- Chromatography
- TFF & crossflow filtration
- Filling operations

## FEATURES/BENEFITS

- High-pressure piezo-resistive transducer provides highly accurate pressure sensing
- Tested prior to shipment and ready to use
- Manufactured in ISO 13485 certified facilities in ISO Class 7 cleanrooms
- Sterilize by gamma irradiation or ethylene oxide (EtO)
- Latex free and animal-derivative component free

|        |                  |
|--------|------------------|
| USA    | +1.800.323.4340  |
|        | +1.847.549.7600  |
| Canada | +1.800.363.5900  |
| China  | +86.21.5109.9909 |
| India  | +1.800.266.1244  |

|            |                      |
|------------|----------------------|
| UK         | +44 (0) 1480.272279  |
|            | +33 (0) 1.87.170142* |
|            | +49 (0) 937.792030*  |
| Italy      | +39.02.84349215      |
| All others | +1.847.549.7600      |

**Cole-Parmer®**  
[coleparmer.com](http://coleparmer.com)

\*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

## Technical Specifications

| Parameter                   |               | Value                                      |
|-----------------------------|---------------|--------------------------------------------|
| Pressure Range              |               | –11.5 to 75 psi (–0.79 to 5.2 bar)         |
| Accuracy                    | –10 to –7 psi | ±5% of reading                             |
|                             | –7 to 0 psi   | ±3% of reading                             |
|                             | 0 to 6 psi    | ±2% of reading                             |
|                             | 6 to 30 psi   | ±3% of reading                             |
|                             | 30 to 60 psi  | ± ±5% of reading                           |
| Operating Temperature       |               | 2 to 40 °C (35.6 to 104 °F)                |
| Sterilization Compatibility |               | Gamma irradiation or ethylene oxide (EtIO) |

## Ordering Table

| Connection | Material      | Sterile | Pack Size | Item Number              |
|------------|---------------|---------|-----------|--------------------------|
| Luer       | Polysulfone   | No      | 1         | <a href="#">48523-04</a> |
|            | Polysulfone   | Yes     | 1         | <a href="#">48523-09</a> |
|            | Polycarbonate | No      | 1         | <a href="#">48523-10</a> |