

# PTE5000

## Hermetically Sealed Modular Pressure Sensor



### Main Features

Pressure Ranges	0 to 6 up to 0 to 600 bar (gage)
Electrical Connection	Packard Metri-Pack 150 Series, M12, 4 pole according to IEC 61076-2-101 DIN 175301-803 A (18 mm) GDS 307 Industrial Standard (9.4 mm)
Pressure Connection	G 1/4A DIN 3852-E or A 1/4-18 NPT (Male), 7/16"-20 UNF-2A or B
Housing Material	304 Stainless steel
Output Signal	0.5 to 4.5 Vdc; 4 to 20 mA; 0 to 5 Vdc; 0 to 10 Vdc

### Attributes

- Hermetically Sealed
- Rugged & Durable
- Compact & Light-weight
- Resistant to Chemical Attack
- Superior Long-Term Stability & Repeatability
- Outstanding Shock & Vibration Performance

### Typical Applications

- Compressors
- Hydraulic Systems
- Agricultural Equipment
- Construction Equipment
- Heat Pumps
- Wind Energy
- HVAC Systems
- Chemical Industry

### Description

The PTE5000 utilizes Kavlico's thin film strain gauge sensing technology, incorporating a hermetically sealed design with no internal sealing required. Designed for harsh environments, a rugged 304 stainless steel housing surrounds the PTE5000 transducer.

The PTE5000's small, compact design as well as low overall weight is ideal for applications with spacing and weight limitations. This easy-to-use sensor is media resistant, allowing for a broad range of liquid and gaseous media compatibility. It can be used at high operating temperatures and has internal temperature compensation. Highly reliable, the PTE5000 provides accurate, high pressure measurements every time.

# PTE5000 - PRESSURE SENSOR FOR INDUSTRIAL APPLICATIONS

## Kavlico's Manufacturing Power

Kavlico's PTE5000 Thin Film Pressure Sensors were developed to meet the most stringent performance and quality standards. The innovative, compact designs and low weight in combination with high media resistance and high operating temperature capability provides highly reliable and long term stability for the most demanding applications. The innovative thin film pressure sensors are manufactured in an up to ISO class 5 clean room in Minden, Germany.

## Superior Performance

- Latest generation of sensing elements
- State-of-the-art ASICs
- Designed to withstand harsh environments
- Superior EMI protection
- Outstanding shock and vibration performance
- Impressive longevity and lifetime performance
- Highly reliable quality

## The modular design of the PTE5000 incorporates:

- Various analog electrical outputs
- Digital outputs on request
- A wide selection of standard pressure ports
- The possibility of customized pressure ports
- Several electrical connector variants and customized over molded cable on demand

## Available Options & Dimensions

