



Part number:

PCS-1004

Displacement sensor: High Resolution Capacitive sensor.
Number of axis: 1, 2 or 3 axis
Measurement range: 50µm, 100µm, 500µm, 1mm, 2mm, 5mm
Sensor material: Steel or Aluminum.
Voltage output span: 0-5V.
Computer interface options: RS232, USB or wireless.
Software tools: Simple, flexible command set and **LabView** drivers.
Design/measured resolution: 0.002µm (for a 25µm travel range).
Maximum update rate: depending on the range and resolution
Maximum standoff distance: 5mm
Available options: Nonmagnetic materials. Longer cables.
Recommended controller: **PCE-1004**
Power source: Min 5.5V 100mA
Dimensions: Diameter: 18-27mm Thickness: 3.5mm



Sensors photo



Controller

The STANDARD sensors are delivered with a 1 meter (3Ft) long Teflon coated coaxial cable equipped with miniature golden plated MMX type connectors.

Due to its construction the displacement sensor system can be battery operated. A full battery charge will last up to 12 hours of uninterrupted operation. Higher capacity batteries and energy saving modes will allow operation for up to 7 days on a battery charge.

It also can be controller wirelessly up to 100Ft.

A simple application is shown in the photo on the next page.

