



**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.

