

May 2003

Measurements In Vacuum

Philtec offers some 20 standard sensor models for sale. For about half of the applications we service, application specific customizations are required. We are very eager to work with our customers to help engineer that special sensor uniquely meeting the application requirements.

EXAMPLE: This month we shipped 3 of the systems shown here:

Model D20-ABv2C1E+LGO

The application required model D20 sensors to operate in a vacuum of 10^{-7} Torr with sub-micron accuracy. The customer was uncertain about the bandwidth requirements, so we provided the amplifier with two outputs: a) the standard DC - 20 KHz, and b) Low Frequency DC - 100 Hz.

In addition, to meet the application requirements, we provided the system equipped with:

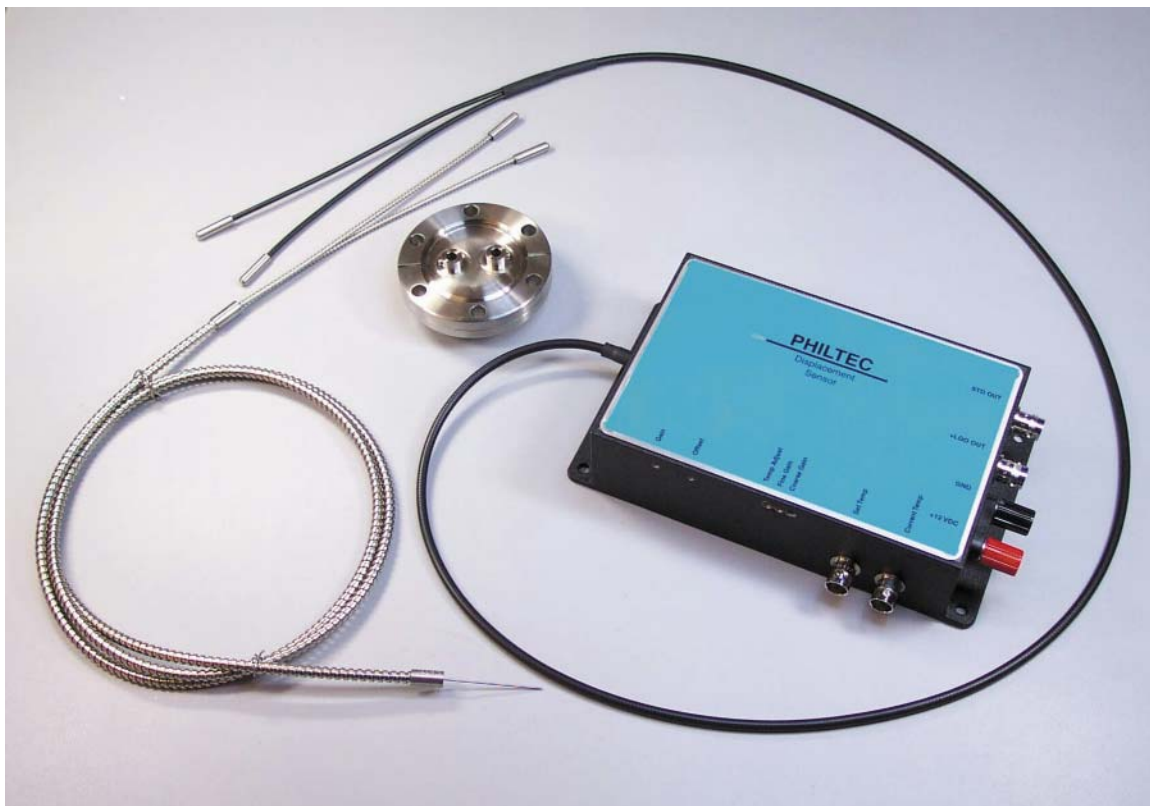
Option A - Temperature Stabilized Amplifier

Option Bv2 - Ultra-High Vacuum Flange

Option C1 - Stainless Steel Interlok Sheathing For the Vacuum Side

Option E - Extra Cable Length

Option +LGO - Additional Output with 100 Hz Bandwidth, 10x Gain and Adjustable DC Offset



PHILTEC

www.philtec.com

Fiberoptic Sensors for the Measurement of Distance, Displacement and Vibration