

#### DIGITAL SENSOR UPDATES

**DMS** The easiest way to get a DMS sensor up and running is to use PHILTEC operating software. Two programs are available:

- A LabVIEW beta project
- A Visual Basic demonstration project.

This free software can be found on our website at

[www.philtec.com/firmware.htm](http://www.philtec.com/firmware.htm)

“**Firmware**” is the internal programming code of the sensors. The firmware is updated frequently as the product line evolves. Updates might be issued to fix bugs in the code, to increase speed, to improve a function of the sensor, or to add new functionality. The most current version of the firmware (presently 2.546) is always found at the above address.

Your customers can update their DMS units by downloading the current firmware using their own PC. The process is simple and self-prompting.

#### FOR PROGRAMMERS

**RS232** A complete RS232 command instruction set is provided on the firmware update page. This instruction set has now been updated with specific details on how to achieve 5 KHz data transfer rates.

**LabVIEW** and Visual Basic drivers for operation of DMS units are provided at this link with their source code. Programmers can use the code as a starting point for their own development work.

#### miniDMS APPLICATION

A customer purchased two miniDMS systems for mounting on a large centrifuge. This required small lightweight sensors and electronics. The sensor tips would be exposed to 100 G's. The sensor models with 30 Ft long fiberoptic cables sheathed with pvc tubing are shown below:

mDMS-D21-B1C8E and mDMS-RC60-B1C8E

