

## Special Applications

### FLIGHT READY HARDWARE

Philtec delivered two model D171 sensors with specifications suitable for aircraft flight:

- Amplifier Oper. Temperature  $-40^{\circ}\text{C}$  to  $+71^{\circ}\text{C}$
- Vibration 5 g rms, 5 Hz to 2000 Hz, in any axis
- MS style connector for (+28 Volt) input power and output signal



### HIGH PRESSURE TEST

A custom sensor model RC171 was delivered for use in a pressure vessel with:

- 4000 psi
- $450^{\circ}\text{C}$  target surface temperature

To penetrate and seal the pressure vessel this special probe tip was fabricated with a 6" length of 1/4" annealed SS tubing upon which a Swagelok compression fitting was installed. A sapphire window was bonded to the sensor tip to seal the fiber-optics.



### GLASS SHAPE MEASUREMENT

**100** Philtec has received a purchase order to supply ten 10DMS racks each equipped with 10 model RC171 sensors. The customer has supplied glass samples to be used for calibrations of the sensors.

### DMS UPDATE

The current version of the DMS Operating Software posted on the web is 0.999h. This corrects some problems found with version 0.999g.

