

## INTRODUCTION

Welcome to the first edition of this newsletter, which is being distributed exclusively to our sales agents and representatives. Many of Philtec's sensors are customized to suit application requirements. In this series we'll be highlighting the special features of those custom sensors. This will be an on-going training program for you. It will expose you to the kind of industries and applications we are selling, as well as familiarize you with the detailed design configurations that we're producing for our customers.

Answers to frequently asked questions and questions with particularly good technical merit will also be provided. If you have a question to ask, please send it to the editor, Jerry Phillips: JP@philtec.com.

We encourage you to save these newsletters and share them with your customers and sales prospects. It will give them an idea of the kinds of designs that can be developed to solve their problems.

## APPLICATION

### **The Problem**

In turbomachinery, the distance between the impeller and diffuser greatly impacts the performance of the machine. Currently, there is no method to measure this distance real-time, throughout operation of the machine.

### **The Solution**

Install Philtec probes through the diffuser to monitor the distance from the diffuser to the tip of the impeller blades during machine operation.

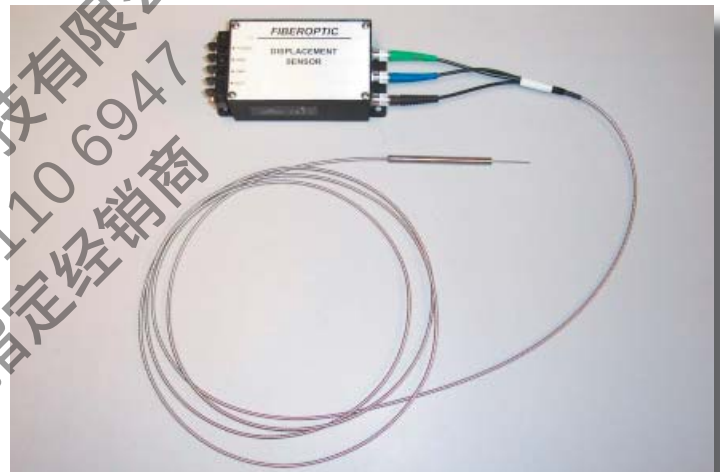
### **The Sale**

The customer purchased 3 pieces each of the following units:

**model RC20-B3C1EH3T2T8**

**model RC20-B3C1EH3T7T8**

These units have 100 KHz bandwidth and 9 foot long connectorized light guides with custom tips for high temperature use.



### **Customer Feedback**

Fiber optic probes were chosen for their accuracy and their ability to withstand high temperatures (>400 F).

Philtec was chosen because of ***"the exceptional service and assistance provided when selecting the best probes for the application"***.

# PHILTEC