Philtec

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E-NEWSLETTER

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MEASUREMENTS OF GLASS SHAPE

A manufacturer of automotive glass windows has recently completed a successful factory evaluation of Philtec's model DMS-RC171-R non-contact fiberoptic sensor ....

The Problem

Micro-controlled LVDT's have been the industry standard for gaging the shape of glass windows in production. Numerous gages are mounted to a master shape form. Air pressure is used to bring the gages into contact with the glass which is placed onto the form.

Contact gages can adversely effect the measurement process, especially where the production samples are very large and thin. When the LVDT's are popped into contact with the test samples, they can shake and distort the glass.

The Solution

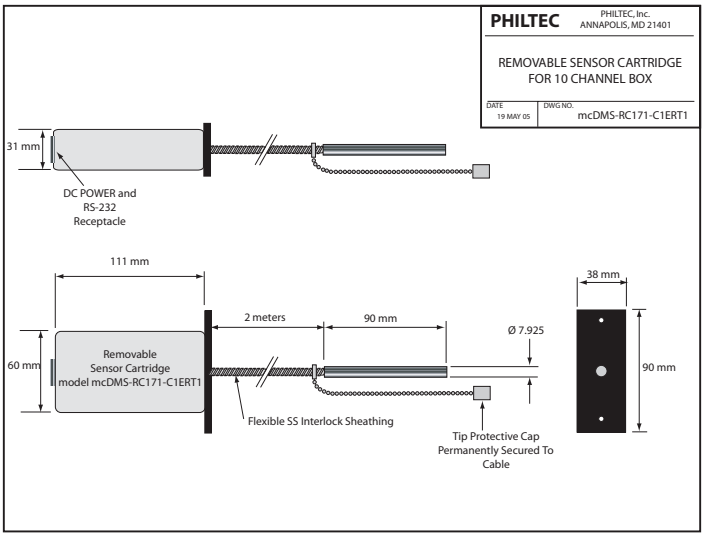
Non-contact gaging solves these measurement problems. Factory test results have established excellent correlation between LVDT's and the non-contact fiberoptic sensor. And, the variations in lighting conditions on sunny and cloudy days changed the distance readings by no more than 20 microns.

The Sale

50 The manufacturer has issued a purchase order to Philtec to provide a 50 channel measurement system using the DMS-RC171 non-contact sensors.

New Multi-Channel Hardware

To fill this order Philtec is creating a new multi-channel package design. The mini-DMS enclosure will be configured as a plug-in cartridge for easy installation and removal. These cartridges can be removed from the rack and separately powered for calibrations or individual use.



A 19" rack chassis will hold 10 sensor channels. Philtec will deliver five 10-channel racks, each having male & female RS232 serial connectors for daisy-chaining. Distance output on all 50 channels will be read thru one serial port in less than 1 second. 10 channels in one rack can be read thru one serial port in less than 0.2 seconds.

Delivery is scheduled for early October.

The total system price is $1320 per channel.