Philtec

3 March 2008

E-NEWSLETTER

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CELL PHONE VIBRATION TESTS

G2 The customer conducted bench testing to verify the sensors would work for this application. His original sensors were equipped with Option G1, an additional output, DC coupled with 10x gain. At his request, we engineered the new ***Option G2***, which AC couples the high gain output. This made it easier and faster to setup the sensor for testing.

APPLICATION

The Problem

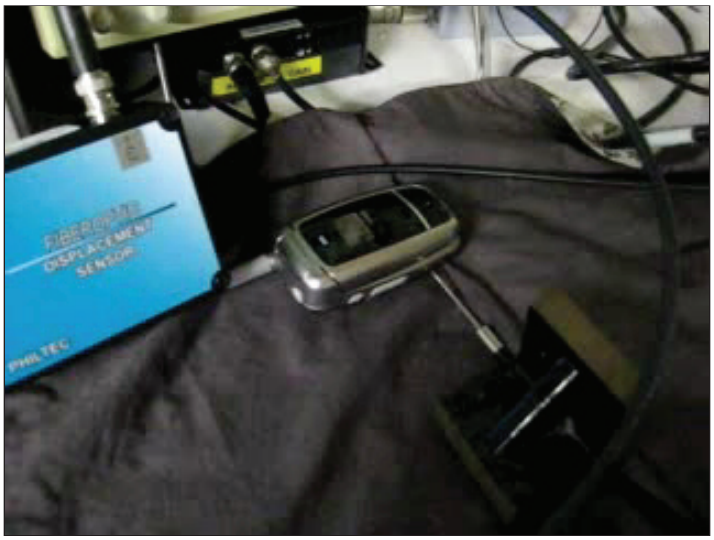
How to make a production check for the vibration mode of portable handheld devices during manufacturing.

Cellular phones and other handheld devices are made in a wide range of shapes and colors.

The Solution

Philtec's model RC60 sensor with a spot size of 1.5 mm and range of 3 mm was deemed a good fit. We fixtured the test parts and made some successful measurements which are shown in the video clip below.

The customer uses the sensor to check the pk-pk amplitude of vibration.



click on image above to view video clip.
Must have Acrobat 6.0 or higher