

Press Release

Date: June 2012
Enclosure: pic.
Reference: PR-0045-CPE-220612-RSV3

With Polytec in Hot Pursuit of the Higgs Boson

Although Polytec's laser sensors aren't able to detect elementary particles, they do help advance the research conducted at CERN's LHC (Large Hadron Collider).

CERN uses the unique properties of the RSV-150 Remote Sensing Vibrometer to ensure proper operation of the particle accelerator. CERN has high demands. Because of the radiation levels being emitted, the vibration has to be measured from a distance of at least 40 m. The expected vibration frequency is more than 1 megahertz.

The RSV-150 was designed to cover distances up to well over 300 m. By utilizing specific demodulation electronics the vibration measurement system now provides a bandwidth of 2 megahertz. CERN and its search for the Higgs particles will not be the only user that benefits from the capabilities of the RSV-150. Incoming inquiries from the whole field of non-contact testing show that a lot of applications will benefit from the non-contact measurement of high frequencies over great distances. To everyone who is not interested in Higgs particles, the high frequency version of the RSV-150 Remote Sensing Vibrometer will be available from June 2012 on.

More Info: www.polytec.com/rsv

Publication free of charge

For questions please
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