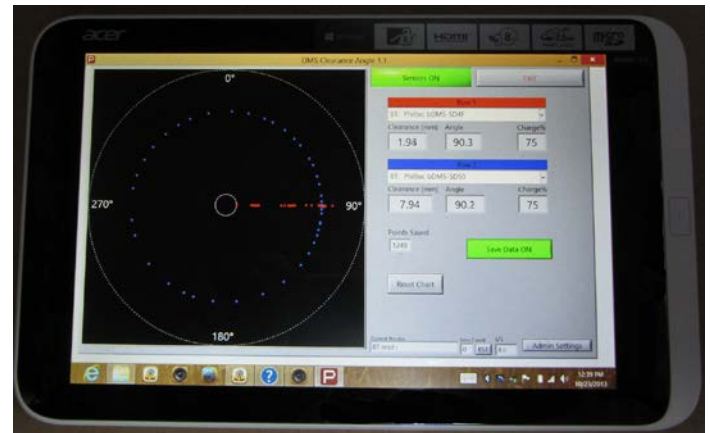
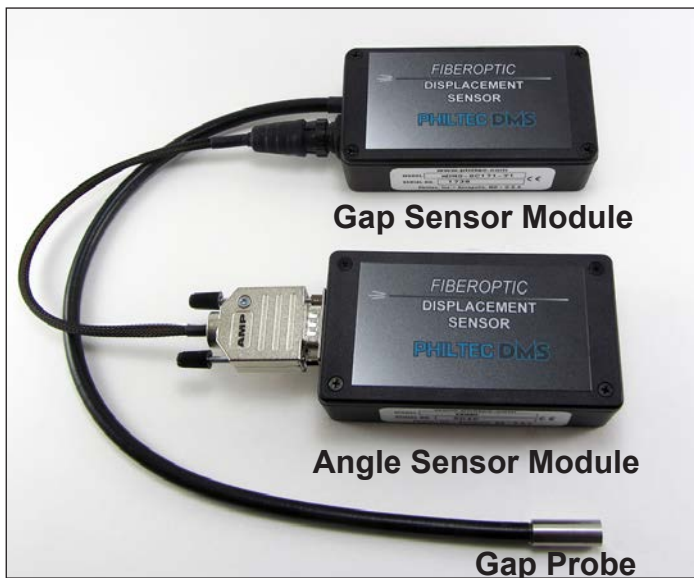


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## CLEARANCE MEASUREMENT SYSTEM CMS 3000

*Introducing Wireless Sensor Systems for Cold Clearance Measurements of Large Frame Gas Turbines*



Tablet for Display and Data Collection

Large frame gas turbine and aero-engine casings are lined with Thermal Barrier Coatings (TBC) to protect the metal shells from high heat loads. With new construction and at overhaul, blade tip clearances at room temperature must be properly set. Typically, turbine cases are not perfectly round, having some asymmetry and ovalization developed from many hours of operation. Hand-held feeler gages have long been used to measure the tip clearances and inspect the roundness of the TBC linings at access ports provided for that purpose.

Philtec's new CMS 3000 system provides wireless blade-mounted fiberoptic sensors and software to digitally capture the full 360° picture of the casing roundness and gap data. This product represents a major advancement in the state-of-the-art . **..... Learn More at [www.philtec.com/](http://www.philtec.com/)!**

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