



The difference is measurable™

INSTRON'S NON-CONTACTING VIDEO EXTENSOMETERS GRANTED PATENTS



Instron, a leading provider of testing equipment designed to evaluate mechanical properties of materials and components, announces that the innovative technologies employed in its non-contacting

Advanced Video Extensometer (AVE) and Standard Video Extensometers (SVE) have been awarded US and European patents (US 7,047,819 B2 and EP 1 424 547 B1).

These devices allow highly accurate strain measurements to be made without contacting the specimen. Special design features covered in the patents include the Constant Density Air Tube used on the AVE, which controls the air between the camera and specimen, ensuring high resolution and accuracy by eliminating noise caused by refraction of light by unwanted air currents. Also, the LED illumination system ensures optimal lighting is maintained, eliminating bright reflections from certain materials. Hundreds of units are now being used for testing everything from thin films and biological tissue to rebar.

With unique non-contact measurement design, the extensometers have no influence on the specimen, and the possibility of damage due to energy release at failure is eliminated; thus, ensuring accurate test results. The AVE and SVE contain no moving parts, so there is never a risk for mechanical wear, which may lead to unreliable results or inaccurate target tracking.

For more information on Instron's products and services, visit www.instron.com. Click on 'Contact Us' to locate a sales, service and technical support office near you.