



## PRESS RELEASE

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### F70 Transparent Thin Film Measurement

The F70 Series from **Filmetrics** are general-purpose thickness measurement instruments that are capable of measuring thicknesses up to 13mm. The basic F70 is designed to measure transparent materials while the F70-NIR measures semiconductor materials. The thickness range is determined by the lens and software options.

Color-coding Thickness Measurement (CTM) is a non-contact measurement method for transparent materials. Up to two layers can be measured simultaneously. Measurements are taken from only one side of the sample and are relatively immune to roughness, non-uniformity, and curvature.

CTM measures the thickness of a sample by sensing the distance of the sample's top and bottom surfaces simultaneously. This is achieved by using a lens that focuses different wavelengths (corresponding to different colours and therefore giving this measurement method its name) at different distances. Because the wavelength that is reflected back directly depends on the distance between the lens and the sample's top and bottom surfaces, the thickness can be easily calculated based on the two peaks in the reflectance spectrum.

Thickness can be measured in less than a second. Like all Filmetrics thickness measurement instruments, the F70 connects to the USB port of your Windows™ computer and sets up in minutes.

### APPLICATIONS

- Coatings on almost any surface
- Pharmaceutical tablets, wood and paper
- Glass and plastic sheet, tubing, containers
- Optical and ophthalmic lenses

For data sheets or more information on the F70 and film measurement equipment, contact **Warsash Scientific** on +61 2 9319 0122 or [sales@warsash.com.au](mailto:sales@warsash.com.au).

