



10 and 45 Degree Specular Reflectance Accessories for the Agilent Cary 630 FTIR

Fast and accurate specular reflectance measurements



Cary 630 with the 10 degree SRA.



Cary 630 with the 45 degree SRA, which sits within the transmission module.



The Agilent 10 or 45 degree Specular Reflectance Accessory (SRA) for the Agilent Cary 630 FTIR allows near-normal or at-angle specular reflectance measurements. Specular reflectance measurements are made on samples that, in general, are designed to reflect light from a flat surface. Examples include mirrors, glass, windows, and thin film coatings placed upon highly reflective substrates. Measurements are made at near-normal (<10 degrees) or at-angle (>10 degrees). The intended end use of the product typically dictates whether a sample is measured at near-normal or at-angle.

Use the 10 degree SRA for near-normal specular reflectance measurements and the 45 degree SRA to measure specular reflectance at-angle and for the measurement of relatively thin films on reflective substrates.

Features

Innovative – the 10 degree SRA snaps in and out of the Cary 630 FTIR in seconds with no alignment required. The 45 degree SRA easily slides into the transmission module.

Measurement type

- Near-normal (10 degree) or at-angle (45 degree) specular reflectance

Wavelength range

- ZnSe system: 5,100 to 600 cm^{-1}
- KBr system: 7,000 to 350 cm^{-1}

For more information, visit:

www.agilent.com/chem/cary630

Intuitive software — multilanguage software guides users through every step of operation, while color coding alerts make it easy to see whether samples meet specification. The software also provides a feedback mechanism to advise when the accessory requires cleaning, ensuring you get the right answers every time.

Reliable — designed originally for out-of-lab use in Agilent mobile FTIR products, the Cary 630 FTIR is the most rugged FTIR on the market today. The SRAs can be used in the most humid and tropical of environments, providing answers you can trust, day-in and day-out.

Easy-to-use — software auto recognition of the accessory ensures the proper interface is in place before running the method. Because the 10 degree SRA attaches directly to the Cary 630 FTIR engine, very large samples can be accommodated. The 45 degree SRA sits inside the transmission module for the Cary 630 FTIR.

Flexible — switch between using the 10 or 45 degree SRA or any other Agilent Cary 630 FTIR sampling accessory for all your analysis needs. No alignment is required, and accessory changeover is complete within seconds.

Compact — the 10 degree SRA takes up only 8.2×7.4 cm of bench space, and weighs just 0.7 kg (1.5 lb). The transmission module takes up only 17.8×13.2 cm and weighs just 1.7 kg (3.7 lb).

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