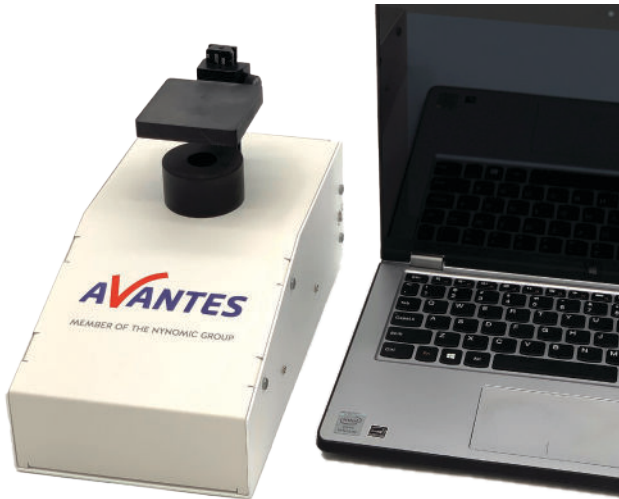


AVA-REFLECTOMETER

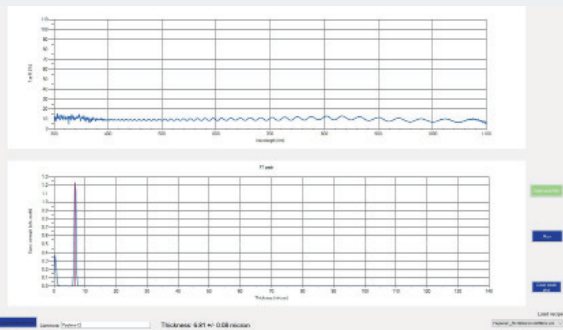


ACCESSORY

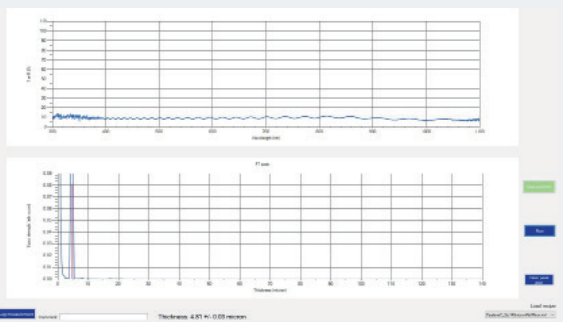


Parylene Thickness Measurement

Parylene coatings are ultra-thin and uniform coatings that provide a number of high-value surface treatment properties such as moisture, chemical and dielectric properties, and thermal and UV stability. These properties make parylene coatings an ideal choice for a number of applications throughout the medical device, electronics, transportation and aerospace industries. In order to ensure the coatings are uniform, a monitoring system is needed. For these types of measurements we have developed a system called the Ava-Reflectometer. Our new Ava-Reflectometer is an easy to use package that incorporates a halogen light source, a reflection probe and the AvaSpec-Mini to perform reflection, thin film, and parylene thickness measurements.



Transmission/reflection spectrum from the Thin Film package for Parylene C sample



Transmission/reflection spectrum from the Thin Film package for Parylene F.

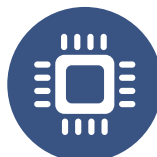
System Details

Ava-Reflectometer	
Application	Thin Film/Reflection
Wavelength range	360 - 1100 nm
Spectrometer	Avaspec-Mini, DCL-U/VIS; OSC filter, Slit-25
Grating	Grating VA: 360-1100 nm
Housing	Sheet metal case white powder coated paint
Light Source	integrated - 10W tungsten halogen source
Power Requirement	110/220V DAC - 12V-2.08A
Software	Avasoft full feature spectroscopy software or Parylene measurement software
Dimensions, weight	234 x 166 x 144 mm, 1400 grams
Sample Stage	Convenient stage to hold samples with external light blocking shroud
Laptop	Del Inspiron Laptop or comparable option Will be preloaded with reflectometer software

APPLICATIONS & INDUSTRIES SERVED BY AVANTES



Agriculture & Food
Food Sorting
Precision Agriculture



Semiconductor
Thin Film Coating
End-Point Detection



Environmental
Contamination &
Pollution Monitoring



(Bio)Medical
Blood Analysis
Cancer Detection



System Integration
Integrate into your
product or system