

AVANTES
COMPANY BROCHURE
EMPOWERING SPECTROSCOPY SOLUTIONS



ABOUT AVANTES

Avantes is a leading manufacturer of fiber-optic spectroscopy instruments and systems with nearly 30 years of experience developing customer-defined spectrometer configurations. Our miniature spectrometer systems are designed to enable research and industrial measurements and analysis involving the metrology of light.

Our instruments facilitate measurement in ultra-violet, visible and near-infrared wavelengths (200-2500 nm). With a long history consulting with clients across diverse industries and applications, we are an experienced partner, equipped to guide customers seeking a solution tailored to their application and research needs.

Through our headquarters in the Netherlands and offices in the USA and China, our sales engineers work closely with customers to better understand their applications and recommend the ideal solutions. Avantes employees are dedicated to quality workmanship and have a relentless drive to exceed customer expectations

In addition to our direct offices, Avantes has an worldwide network of exclusive distributors in over 35 countries.

[Read more about about Avantes](#)



INDUSTRIES SERVED

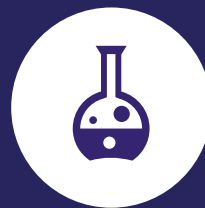
Avantes spectrometers, light sources and fiber-optic sampling accessories provide the technology for spectroscopy and material characterizations in these and many other industries:



Agriculture & Food



(Bio)medical



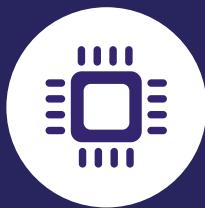
Chemistry



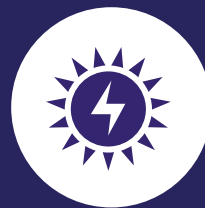
Environmental



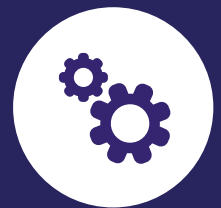
Lighting



Semiconductor



Solar



Original Equipment
Manufacturers (OEM)

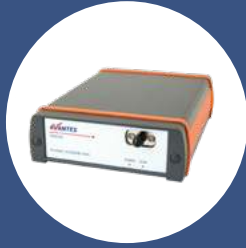
SPECTROMETERS

Since spectroscopy is used for numerous applications, we have defined our spectrometers in different lines:



CompactLine

Ultra-compact spectrometers designed to provide you with the reliability and quality you are used to, yet in a size perfect for field portable or integrated use.



StarLine

AvaSpec StarLine instruments are high performance spectrometers which exceed the demands of most general spectroscopy applications.



SensLine

The SensLine spectrometers are all about sensitivity. For measurements under hard conditions: the SensLine provides extra power. Ideal for demanding applications such as fluorescence, DOAS and Raman.



NIRLine

AvaSpec NIRLine instruments are high performance, dispersive, near-infrared spectrometers which are optimized for the difficult demands of measuring NIR wavelengths.



OEM CUSTOMERS

We take pride in collaborating with our customers to supply the right solution, on time. Whether you need a custom configured optical bench or a specialized fiber-optic probe, we have the experience and dedication to make it happen. While we gladly develop custom-made devices, we also offer several modular and highly configurable OEM options.

Our partnership approach to working with original equipment manufacturers (OEM) is at the core of our success and philosophy as a business. To fully utilize the vast possibilities of our spectrometer systems, sales engineers work closely together with you to fulfill your every need. Our state-of-the-art design center then creates the tailor-made solution as discussed. After extensive testing, a prototype is made. We will start production, only when your needs perfectly align with our design.

Every spectrometer that leaves our premises undergoes a very thorough testing phase before it is shipped. Only the spectrometers those that fall within the accurate bandwidth of desired specifications are the ones we consider good for you.

[Read more about our OEM products](#)

PRODUCT PORTFOLIO

Beside spectrometers, we offer a wide range of products to complete your measurement setup.

Light Sources

Avantes' light source options include deuterium, tungsten halogen, and LED for spectral ranges from 190nm – 2500 nm. The AvaLight line consists of several calibration sources for irradiance and spectral line calibrations. All light sources are fiber optic coupled with SMA connectors.

Fiber Optics

We offer an extensive line of fiber optic cables, bundles, and probes. Our in-house production facility manufactures fiber optics for deep UV, UV/VIS, and VIS/NIR applications using high-quality silica fibers. Custom configurations for fiberoptic reflection, absorption, and fluorescence probes are always negotiable.

Software

AvaSoft software is a 32 and 64-bit compatible application-oriented software package that enables complete control over our spectrometers. Application-specific software solutions are available. Our in-house engineers can work with customers to support standard and custom application needs (DDL).

Accessories

We offer a wide range of fiber optic coupled sampling accessories such as cuvette holders, integrating spheres, filters, filter holders, and flow cells. In addition, Avantes offers a variety of fiber optic accessories, including collimating lenses, cosine correctors, and vacuum feedthroughs.

SUPPORT & ADVICE

Providing high-quality equipment is only part of what we do. The other equally important factor is the high level of service we deliver all over the globe. Avantes' organization includes various specializations to provide you with the best possible service and advice:

Feasibility studies

Our sales engineers perform feasibility studies to find the right solution for your application.

Support team

Our support team never sleeps and provides you with the best service.

Demo material

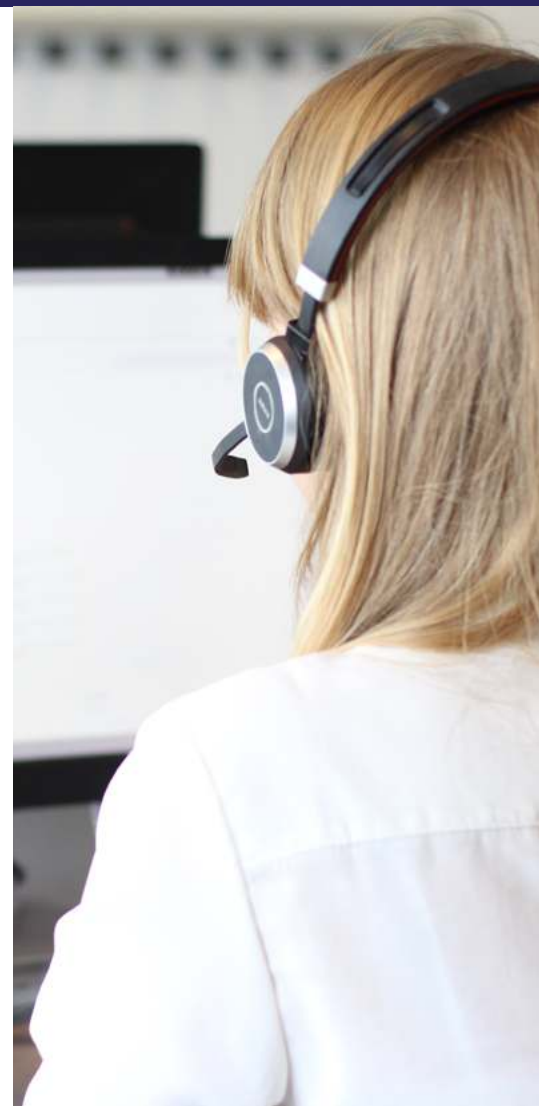
Our unique demo program allows you to try our equipment for free to ensure you find the perfect solution.

MyAvantes

Personal MyAvantes platform where you'll find your needed AvaSoft Software and other material for you to download.

Online support

Our website is full of helpful documents and tutorial videos for extra help with your products.



CONTACT

WE'RE HAPPY TO HELP

Curious how spectroscopy can help you reveal answers by measuring all kind of materials, in-line, at your production facility, in a lab or even in the field? Please visit our website or contact one of our technical experts, we're happy to help you.

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