



Accredited Measurement
Laboratory - from UV to IR

NobleLight

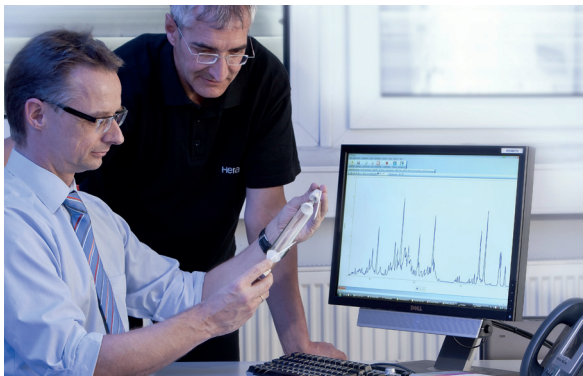
**excelitas**[®]

Accredited Measurement Laboratory

Radiation measurements from UV to IR

Light sources have become an indispensable tool for research and industry. Intense Ultraviolet and Infrared emitters provide the basis for many efficient industrial processes. The more complex an application, the higher the requirements on the special light source.

The durability, intensity and stability of the lamp output is key to reliable production processes. Noblelight's Measurement Lab has the tools and experience needed to ensure accurate and precise measurement of lamp data.



Profit from the Know-How of our measurement laboratory team

Why you can trust us – our know-how:

Customers can benefit from the know how within the Noblelight measurement laboratory. Measurements can be taken within the laboratory which is accredited to ISO 17025 or at the customers site: Customers can access the many years of light source measurement experience the team have to offer.

This highly competent team of physicists and measurement engineers will apply their skill and knowledge to bring you a prompt service to the required protocol. And will assist you with any specific questions related to standards and provide help to optimize your light sources, systems and workstations with respect to risk assessment.

Leistungsspektrum:

- Measurement and assessment of personal exposure in the workplace
- Assessment of the photobiological safety of lamps and lamp systems
- Risk assessment of machines and equipment that produce non-ionizing radiation
- Measurements at the Noblelight measurement lab in Hanau or on site at the customer's location
- Measurements of infrared and UV emitters, components, modules and devices
- Measurements of irradiance, radiant flux and ray density
- Verification of lifetimes
- Wavelengths from VUV to infrared (200 nm–3 μ m)
- Lamp lengths from 1 mm to 2.000 mm
- Power consumption from mW to 15.000 W



This sign stands for highest competence and measuring quality from the accredited Noblelight measurement laboratory

The measure of our things – equipment and methods:

- The only Ulbricht sphere of this size on the UV market – faster and more cost-efficient than any other comparable methods
- Stationary double monochromator for highly precise spectral measurements
- Mobile double monochromator for precise measurements at the customer's site
- Radiometer, photometer and spectrometer
- Measurements with several independent systems for maximum reliability

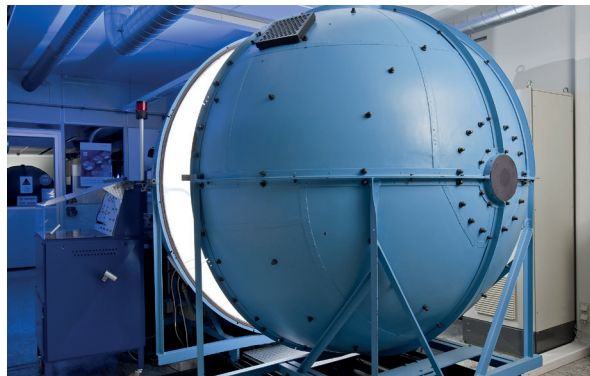
Defined test protocols in the test laboratory ensure high level of consistency, accuracy and repeatability.

Why you can trust us – accreditation:

The Heraeus Noblelight measurement laboratory is accredited to DIN EN ISO/IEC 17025:2018 as a test laboratory. All measurements are carried out in comparison with calibrated radiation sources supplied by national institutes such as the Physikalisch Technische Bundesanstalt (PTB). Traceability to national standards ensures comparability of the measuring results.

The quality of the laboratory is regularly checked and ensures a permanently high level.

And this has been the case for more than 25 years. This is proven and secured by the test seal of the German Accreditation Body (DAkkS) and regular audits by external auditors.



The Ulbricht sphere allows fast and cost-efficient measurements



Supervision of service life

About Excelitas Technologies

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics, and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence, connected devices (IoT) and military modernization.

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