PARVASENS

UV-C DA Meter

ParvaSens UV-C DeactivationMonitor with integrated Microorganism Database

The ParvaSens
Is an industry first device, that reads UV-C radiation and compares the calculated dose to an integrated database of microorganisms, such as Bacteria, Molds and Viruses.

This makes it possible for the first time, to directly verify if a given area has been UV-disinfected without any lab testing!

Made in Germany

Did you know?

Sterilization and the disinfection of surfaces is not a simple task. UV-radiation propagates in a straight path from the source (ie: UV-C Robot). Unfortunately, shaded or far away surfaces may only receive very little or no UV, compared to surfaces hit by direct irradiation. This leads to different UV-doses at any given location.

UV-light has been used for many years to disinfect surfaces from microorganisms as an alternative to chemical cleaning.

Due to the increased awareness, caused by the onset of the Covid19 pandemic, the disinfection with UV-light has become more mainstream.

A flood of UV-devices appeared on the market promising perfect results in seconds, without any proof if this really is the case.

The ParvaSens now makes it possible for everyone to measure the disinfection power of any UV-C light source, effortless and accurately.

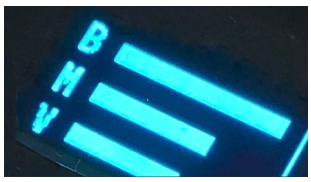
- **Dual UV-Sensor Technology**
- **UV-C Warning for user protection**
- **Integrates up to 9999 Minutes**
- **Works with any effective UV-C Light**
- **Works with robotic UV-C equipment**
- **Huge microorganism database**

How does the PARVASENS work?

The ParvaSens will actively look for UV-C light and continually compares the energy to an internal database of microorganisms (Bacteria, Mold and Viruses). It then displays progress bars to show the actual deactivation level. This works with all effective UV-C devices including robotic devices that move UV-lights across a room. This technology is only available in the ParvaSens products.

Until now, there was no easy way to measure the exact deactivation power of UV-C lights!

Four lab standard, user selectable De-Activation levels (DA %) are available : 90, 99, 99.9 and 99.99 %
A DA of 99% means, that 99% of all bacteria for example, are deactivated once the ParvaSens has detected enough UV-C.
Higher DA% require much longer exposure times.



Bacteria, Mold and Viruses require different deactivation doses. The ParvaSens shows a bar graph for each group separately. As soon as sufficient UV-has been detected to deactivate a group of microorganisms such as bacteria, a green LED will turn on.

An additional feature of the ParvaSens is the UV-C scan function.
The unit permanently monitors the surrounding for the presence of UV-C light, no matter if a measurement is taking place or not.
For the safety of the operator a blue LED flashes if harmful UV-C is detected.

ParvaSens Basic

The ParvaSens Basic is tailored to all users that need easy to understand results without any scientific lingo. This makes it perfect for everyday use in hospitals, doctor's offices and everywhere else were no frills disinfection is a daily chore.

ParvaSens Advanced

The ParvaSens Advanced has all the features of the ParvaSens Basic plus it makes scientific data available, such as time under UV-C (s or min), average lamp power (mW/cm²) and total dose received (J/m²).

LAMP EXPRESS
3807 Hawkins Dr - Morganton, NC 28655
www.lexusa.com - sales@lexusa.com
+1 888-539-8847