The vision behind the Absorbance 96 was to give the user complete flexibility. The result is a uniquely designed, solid state microplate reader with 96 detection units.

Being portable and by far the most compact reader on the market, the Absorbance 96 constitutes an exciting new category of plate reader.
Take the Lab into Your Hands

Despite its compact form, the Absorbance 96 delivers precise and accurate results at an affordable price. Its portability enables on-site readout, eliminating the need for sample transport. A variety of available wavelength combinations allows for a wide range of endpoint and kinetic assays.

The Absorbance 96 is the only truly portable plate reader in the world. Easily transported within or between different laboratories, the Absorbance 96 brings readout to your workspace. Its robust design and USB power supply also make it the perfect tool for field use and mobile laboratories.

Main Features

- Space-saving design
- Fast readout speed
- Reliable measurement results
- Maintenance-free
- Solid state technology

Princip Applications

- ELISAs – PNPP, ABTS, OPD, TMB
- Protein assays – Bradford, BCA, Lowry
- Cell-based assays – MTT, XTT, Cell density
Innovative Compactness

One of the main ideas behind the Absorbance 96 is to simplify the workflow in the laboratory. The small size of the reader, in combination with the unique open design, leads to an entirely new user experience.

A simple USB connection provides both the power supply and access to the analysis software via plug-and-play. The footprint of the Absorbance 96 is almost as small as the microplate itself, thereby fitting into every lab, saving valuable bench space and providing unprecedented flexibility.

0,9 kg
Weight

7 x smaller than the smallest comparable reader

Powered via USB
Plug & Play
The Absorbance 96 is the first microplate reader on the market to contain 96 individual detection units. This technology enables simultaneous signal detection, resulting in extremely fast photometric measurements.

Without the need to scan across multiple wells, the Absorbance 96 requires no moving parts. In combination with long-life LEDs, the solid state technology provides a maintenance-free user experience and ensures reliable, high quality results.

96 Detection Units  4 LEDs  5 sec. Read time capability
Our philosophy of intuitive operation is also an integral part of the Absorbance 96 software. Parting from tradition, the software features a modern, attractive interface with smooth navigation and a logical flow.

The Absorbance 96 software is as flexible as the reader itself. It can be used on multiple devices and supports Windows as well as macOS. With plug-and-play technology, simply connect the Absorbance 96 and start your assay.

Main Features
- Endpoint and kinetic assays
- Quantitative and qualitative evaluation
- Custom protocols and reports
- Unlimited access across different devices
### Specifications

#### General
- **Detection method**: Absorbance
- **Detection mode**: Endpoint, kinetic
- **Microplate types**: 96-well microplates

#### Measurement
- **Light source**: 4 x LEDs
- **Detector**: 96 x Photodiodes
- **Wavelength**: 405, 450, 492, 620 nm/405, 450, 540, 630 nm/492, 562, 605, 650 nm
  Other filter combinations in the range of 400–650 nm possible.
- **Photometric range**: 0.0–4.0 OD
- **Linearity**: ≤ 1.0 % from 0.0–2.0 OD
  ≤ 1.5 % from 2.0–3.0 OD
- **Accuracy**: ≤ 0.5 % + 0.005 OD from 0.0–2.0 OD
  ≤ 1.0 % + 0.010 OD from 2.0–3.0 OD
- **Reproducibility**: ≤ 0.5 % + 0.005 OD from 0.0–2.0 OD
  ≤ 1.0 % + 0.010 OD from 2.0–3.0 OD
- **Resolution**: 0.001 OD
- **Read time**: Down to 5 sec. at single wavelength
- **Data output**: USB 2.0 interface with PC

#### Physical characteristics
- **Dimensions**: 9.6 x 15.4 x 5.5 cm (W x L x H)
- **Weight**: 0.9 kg
- **Power**: Through USB connection 5 V
- **Power consumption**: 2.5 Watts

#### Software features
- **Operating system**: Microsoft Windows, MacOS
- **Measurement modes**: Endpoint, Kinetic
- **Evaluation methods**: Quantitative, Qualitative
- **Regression methods**: Point-to-Point, Linear, Four Parameter Logistic (4PL), Five Parameter Logistic (5PL)
- **Export formats**: PDF, CSV

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Absorbance 96 – Made in Germany

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Redefining Plate Readers

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