

Absorbance 96 Plate Reader

As technology advances, scientific instruments have seen their use becoming more personal. No longer bulky, complicated machines, these devices are now small and portable. Who would imagine not having a personal mini-centrifuge on their benchtop?

Enzo is proud to introduce the next step of this revolution.

The Absorbance 96 Plate Reader is a personal 96-well format microplate reader that can be used for a variety of applications, including ELISA, protein quantification assays, cell-based assays, and endpoint and kinetic assays. By far the most compact reader on the market, the footprint of the plate reader is almost as small as the plate itself. Despite its scaled-down size, the Absorbance 96 delivers precise, accurate results at an affordable price. Together with proprietary software, the Absorbance 96 is ideal for a variety of applications extending from ELISA to protein- and cell-based assays.

APPLICATIONS

- ELISAs – TMB, PNPP, ABTs, OPD
- Protein Assays – Bradford, BCA, Lowry
- Cell-based Assays – MTT, XTT, Cell Density

Main Features

Space-saving design

Unique technical construction with 96 detection units

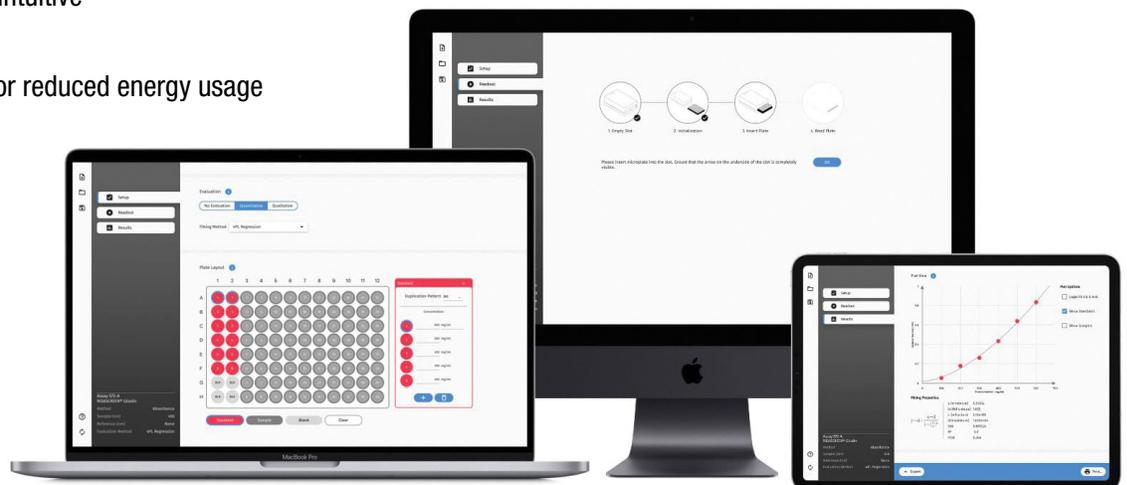
- » Enables rapid, reliable, and reproducible measurement
- » Maintenance-free

Proprietary software

- » User-friendly and intuitive

Affordable Price

Eco-friendly operation for reduced energy usage



ABSORBANCE 96

Specifications

General

Part Number	ENZ-INS-A96
Detection method	Absorbance
Detection mode	Endpoint, kinetic
Microplate types	96-well microplates
Software	Custom software for external computer control

Measurement

Light source	4 x LEDs
Detector	96 x Photodiodes
Wavelength selection	405, 450, 492, 620 nm
Photometric range	0.0-4.0 OD
Linearity	405 nm: $\leq 1.5\%$ (0.0–2.0 OD) / ≥ 450 nm: $\leq 1.0\%$ (0.0–2.0 OD); $\leq 1.5\%$ (2.0–3.0 OD)
Accuracy	405 nm: $\leq 1.5\% + 0.010$ OD (0.0–2.0 OD) / ≥ 450 nm: $\leq 1.0\% + 0.010$ OD (0.0–2.0 OD) / $\leq 1.5\% + 0.010$ OD (2.0–3.0 OD)
Reproducibility	405 nm: $\leq 0.1\% + 0.005$ OD (0.0–2.0 OD) / ≥ 450 nm: $\leq 0.1\% + 0.005$ OD (0.0–3.0 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 cm x 15.4 cm x 5.5 cm (W x L x H)
Weight	0.9 kg (2 lbs)
Power	Through USB connection 5V
Power consumption	2.5 Watts
Regulatory	CE marked

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