

EXPERT 96

The reliable, robust and most effective microplate reader



Thanks to a precise 8-channel optical system and enhanced electronics in combination with a very robust plate transport system the EXPERT 96 can carry high workloads without compromises. Programmable measurement positions allow the optimal centering of the light beam for different plate dimensions. This front loading reader is very robotics friendly as well as TWISTER™ compatible.

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EXPERT 96

Microplate Reader for 96 well plates

Features:

Robotic friendly design

Low profile self-centering plate carrier and front loading provide easy automation

Digital light control system

Extra long-time stability

Self check and self-calibration before each measurement

No re-adjustment during lifetime

Digital technology reduces component count and increases MTBF (**M**ean **T**ime **B**etween **F**ailures)

Positive filter detection

Incorrect inserted filters are detected immediately to prevent false results

Lamp prefailure warning

No more unexpected stops during important test series

Programmable measurement positions

Optimum adaption for different plate dimensions

Light-tight reading chamber

Avoids influence of extraneous light

Integral shaking

Small footprint

Saves valuable lab bench space

Specifications:

Measurement range:	0.000 - 4.000 OD
Wavelength range:	400 - 800 nm (EXPERT 96) / 340 - 800 nm (EXPERT 96-UV)
Reading speed:	5 seconds for single wavelength measurement
Interference filters:	405, 450, 492 and 620 nm (EXPERT 96) 340, 405, 492 and 620 nm (Expert 96-UV), up to six filters possible
Accuracy:	+/- 1% (0 – 2.0 OD)
Precision:	+/- 0.5% (0 – 2.5 O.D.)
Light source:	Halogen lamp, expected life time 10 million readings
Measurement system:	8-channel optical system with self calibration and digital light control
External computer interface:	RS-232 bidirectional
Software:	Different software packages available
Dimensions:	41 x 25 x 17 cm (WxDxH)
Power:	90 to 250V; 47 to 63 Hz

Order Information:

ASYS | HITECH

Distributor:

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