

EXPERT 96 microplate reader



EXPERT 96

The most effective, robust and reliable microplate reader

The Expert is a multi-channel reader which results in an ultra-fast plate read time of 5 seconds, making these instruments ideal for the high throughput laboratory. Three versions are available for either 96 or 384 well plates covering either the Visible or UV/Visible wavelength ranges. The Expert reader also features digital light control that delivers long term stability and there is an automatic checking and calibration procedure prior to each measurement, giving total confidence in the analysis results. A variety of software packages are available.

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 (Mean Time Between Failures).

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.

Small footprint Saves valuable lab bench space.



Reads all 96 well plates



Filters are easily changed

TECHNICAL DATA

Measurement range	0.000 - 4.000 OD
Wavelength range	400 - 800 nm (EXPERT 96 and Expert 384) / 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 % and +/- 0.005 OD up to 2.5 OD
Precision	+/- 0.5 % and +/- 0.005 OD up to 2.5 OD
Plate formats	96 well (Expert 96 and Expert 96 UV) / 384 well (Expert 384)
Reading speed	5 seconds for a complete plate
Light source	50 Watt Tungsten Halogen lamp
Measurement system	8-channel optical system (Expert 96 and Expert 96 UV) 16-channel optical system (Expert 384) with self-calibration and Digital light control
External computer interface	RS-232 bidirectional as standard, USB optional
Software	Different software packages available
Dimensions and weight	25 x 41 x 17 cm, 9.8" x 16.1" x 6.7" (W x D x H) 11kg / 24.2 lbs
Power requirements	90 to 250 V, 50/60 Hz, 85 VA

ORDER INFORMATION

EXPERT 96
Part number: G018065

EXPERT 96 UV
Part number: G018066

EXPERT 384
Part number: G018060

QC PLATE AND WINQC SOFTWARE
Part number: G010160

As part of our policy of continuous product development we reserve the right to alter specifications without notice. The products are CE compliant.



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