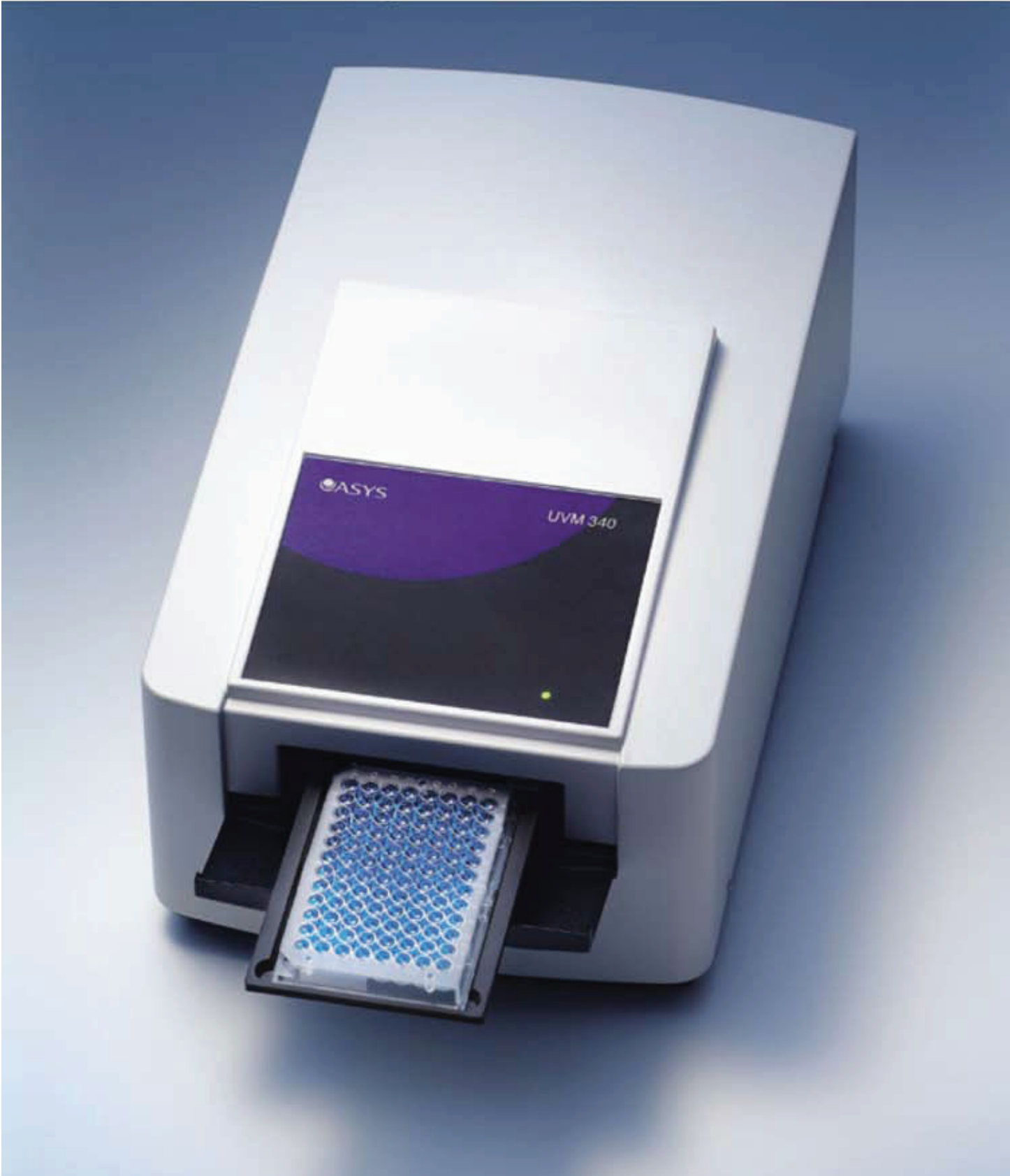


UVM 340 microplate reader



UVM 340 microplate reader

Spectrum scanning is affordable now

The "UVM 340" is ASYS' latest product which incorporates a Fastie-Ebert monochromator with a holographic grating for easy wavelength selection without the need for filters. Any wavelength from 340 to 800 nm can be selected using one of the software packages that are available for this product. The "UVM 340" is also very flexible when it comes to plate formats, taking advantage of the fact that this is a single channel instrument without the restrictions imposed by multi-channel systems. Accuracy and reproducibility are excellent, as one would expect from an Asys product and if speed is important, the "UVM 340" can measure a 96 well plate in just 25 seconds. There can be total confidence in the results too, since the "UVM 340" calibrates and checks itself regularly and automatically.

FEATURES

- Monochromator instrument for total wavelength flexibility without the needs for filters
- Full wavelength scan of a single well in less than 5 seconds
- Built-in wavelength calibration
- Can measure any plate format from 12 to 384 wells
- Fast reading, 25 seconds only for a 96 well plate
- Low profile, self-centring plate carrier and front loading allows easy integration into automated systems

TECHNICAL DATA

Measurement range	0.000 to 3.500 OD
Wavelength range	340 to 800 nm
Wavelength selection	Monochromator; all wavelengths are selectable in 1 nm intervals
Bandwidth	< 3nm
Accuracy	+ 1 % and +/- 0.005 OD up to 2.0 OD
Reproducibility	+ 0.5 % and +/- 0.005 OD up to 2.0 OD
Plate formats	12, 24, 48 and 96 well plates; 96 and 384 well plates (HD version)
Reading speed	25 seconds for a 96 well plate
Light source	30 Watt Tungsten Halogen lamp
Detection system	2 silicon diodes, one for measurement and one for reference
Measurement system	Single channel optical system with self-check and automatic calibration
Computer interface	RS232C bidirectional and USB
Software	Several Windows based software packages are available
Validation	Optional QC Plate for checking absorbance accuracy, precision and linearity
Dimensions and weight	27 x 43 x 24 cm, 10.6" x 16.9" x 9.4" (W x D x H), 10 kg, 22 lbs.
Power requirements	90 to 250 V, 50 / 60 Hz, 65 VA

ORDER INFORMATION

"UVM 340"
 PHENIX Part Number: MR-UVM340
 "Simplified Analysis and Control Software (KIM)"
 PHENIX Part Number: MR-KIMSW
 "MicroWin Software"
 PHENIX Part Number: MR-MICRO

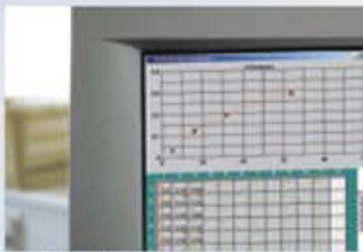
As part of our policy of continuous product development we reserve the right to alter specifications without notice. The products are CE compliant.



73 Ridgeway Road
 Candler, NC 28715
 Phone 800.767.0665
 FAX: 828.670.7020
www.PhenixResearch.com



Reads 12 to 384 well plates



Powerful PC-Software



Flexible spectrum scanning