

LMR SA / LMR SA UV Stand Alone Multi Channel Reader

The **LMR SA** microplate reader is a stand alone product that combines a large graphics display with easy to use yet powerful on-board software, making it ideal for use in any laboratory performing ELISA and other microplate assays. It can perform single- and dual wavelength endpoint and kinetics measurements. Up to 100 sets of measured data as well as up to 130 methods can be stored and recalled for later use.

FEATURES and BENEFITS:

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)

130 methods and 100 results can be stored:

- Sufficient for demanding laboratories.

Extensive range of built-in printer drivers:

- Compatibility with most printers

Windows® based PC-simulation program:

- Method definition, method up - and download, saving of methods and results on PC

QC-plate and QC-program:

- User can perform regular validation

Built with industrial grade components:

- Lasts for many years even under very high use



Specifications:

Measurement Range:	0.000 - 4.000 OD
Wavelength Range:	<i>LMR SA:</i> 400 - 800nm <i>LMR SA UV:</i> 340 - 800nm
Reading Speed:	5 seconds for 96 well plate, single wavelength
Filters:	<i>LMR SA:</i> 405, 450, 492, 620, up to 6 possible <i>LMR SA UV:</i> 340, 405, 492, 620, up to 6 possible
Optical System:	8-Channel system with self calibration and digital light control
Accuracy:	+/- 1% and 0.005 O.D. at 2.5 O.D.
Precision:	+/- 0.5 % and +/- 0.005 OD at 2.0 O.D.
Shaking:	4 Shaking modes selectable
Light Source:	Quartz Halogen Lamp 10W, <i>expected life time: 10 Million readings !</i>
Interface:	RS-232 bidirectional and Centronics parallel
Display:	Graphical LCD display 240 x 128 dots with backlight
Keyboard:	23-keys membrane keypad with tactile feedback
Power requirements:	90 - 250V, 50 or 60 Hz (autosensing)
Measures (W x D x H):	43 x 27 x 24 cm (DxWxH)
Delivery Contents:	4 filters, power cord, printer cable, RS-232 cable, operators manual, PC-simulation- and DigiRead software