

Sirio S



Quality Microplate Reader



Next Level s.r.l.

Tel. +39 055 8826909
Via di Prato, 74 50041
Calenzano (FI) **ITALIA**

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TECHNICAL SPECIFICATIONS

The microplate reader, with 8 reading positions, is an extremely flexible and very speed automatic photometer and it takes 3 seconds for each monochromatic reading at all the wavelengths for 96 flat bottomed and "U" shaped well microplates.

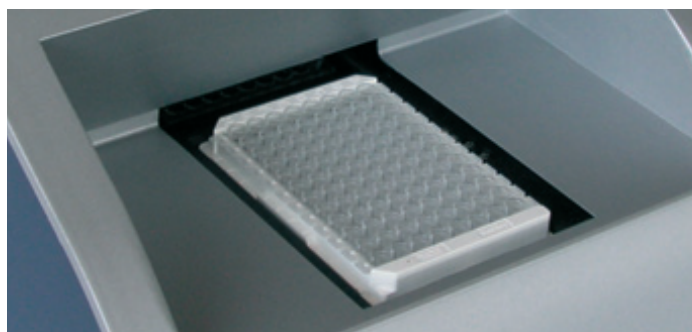
It performs readings in absorbance, end point and kinetic with turbidimetric and agglutination applications.

The great liquid crystal display, drives the programming and the visualization of all the analytical parameters, the cut-off, the standard curves and the final results that will be printed out by the built in graphic printer. The keyboard makes easier the selection of all the functions.

The management software files up to 48 analytical parameters and a maximum of 8 standards for the quantitative methods. For the qualitative tests the following controls are provided: negative, cut-off, low positive, positive and high positive.

Further software features provided are:

- Elaboration of reading data in concentration, depending on the interpolarity formula: linear, cubic, and logit-log.
- Programming of standard- and sample-curves
- Curve and cut-off storage, as reference values



MEASUREMENT METHOD:	Photometric: single or double wavelength and polychromatic
LIGHT SOURCE:	20 W halogen lamp
OPTICAL SENSOR:	8 solid state photodiodes
WAVELENGTH:	400:700 nm
FILTERS:	5 interferential filters: 405, 450, 492, 550, 620 nm; possibility to insert up to 8 filters
READING RANGE:	0-3000 O.D. in single or double wavelength, 0-9000 O.D. in triple wavelength
LINEARITY:	+/-1% from 0 to 2.5 O.D.
PRECISION:	CV<3% at 0.150 O.D., <2% at 1.000 O.D., <2.5% at 2.500 O.D.
RESOLUTION:	0.001 O.D.
READING TIME:	Monochromatic <3" - bichromatic <10" triple wavelength <15"
DISPLAY:	240x128 Graphical LC
KEYBOARD:	Incorporated membrane numerical and functional
COMPUTER INTERFACE:	RS 232 bidirectional and USB
PRINTER:	internal, graphical printer using 58mm thermal paper. Resolution 203 DPI, speed 50 mm/sec.

GENERAL CHARACTERISTICS

CONSUMPTION:	30 VA
SONIC PRESSURE:	< 85 dBA
SAFETY NORMS:	2006/95/CE Directive
ELECTROMAGNETIC COMPATIBILITY:	2004/108/CE Directive
IN VITRO DIAGNOSTICS:	98/79/CE Directive
POWER SUPPLY:	24 V DC
DIMENSIONS:	30 × 37,5 × 29,3 (h) cm
WEIGHT:	7kg

The Company reserves the right to change any technical feature of the instrument at any time, if needed.



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