

UNIPLATE - READER



TECHNICAL FEATURES

Light source	8 tungsten lamps, automatically under-powered when in stand-by position
Optical filters	2 filters (450, 630 nm); 2 more on request (max 4 filters, 400-700nm)
Detectors	8 silicon photodiodes
Reading system	8 independent channels, mono or bichromatic reading
Inaccuracy	± 1% from 0.000 to 1.500 OD ± 2% from 1.500 to 3.000 OD
Reading time	16s to perform a monochromatic reading on a full plate; 31s for bichromatic reading
Cuvettes	96 well plate
Plate shaking	programmable by keyboard
LCD-Display	2 lines with 16 columns
Printer	40 columns on thermal paper
Keypad	17 buttons
Interface	RS232 serial port
Curves	curve direct plotting: point to point, linear regression and 4 parameters (log-logit)
Results	by strip of 8 or 12 wells (X or Y)
Calculation Mode	OD, direct Cut-Off or calculated, single calibrator, programmable curves from 2 to 12 points
Memory capacity	170 tests
Calendar/Timer	associates time with the results; timer function
Power requirements	230/115 VAC, 50-60 Hz, 110 W
Measurements	cm 42 x 34 x 15
Weight	8.3 Kg
OPTIONAL SOFTWARE	Plate Reade management software "ACTION" for PC

Plate Reader is an eight channel photometer for the sequential and simultaneous reading of micro-plate strips with 96 wells. Shaking capability. Designed according to the most sophisticated technologies it turns out to be of high quality and reliability as well as of high precision and easy to use. With its powerful software it is able to perform readings, data processing and relevant memorization.

UNIPLATE - WASHER



TECHNICAL FEATURES

Programmability	by keypad and display
Memory capacity	100 washing configuration
Residual volume	< 3 μ l
Dispensation volume	200-400 μ l with 50 μ l increasing
Dispensation inaccuracy	CV < 5 % with 300 μ l
Processing time	70 seconds to aspirate and dispense the full plate
Liquid dispensation	peristaltic pump
Liquid aspiration	oscillating pump

Settings

- washing volume
- incubation time before the washing cycle and shaking possibility
- soak time
- washing cycle delay between strips
- strip selection to start with washing
- number of strips to be washed
- number of washing cycles for each strip
- number of washing cycles of the plate
- final aspiration for the single strip
- microplate activation

Display	2 lines with 16 columns
Keyboard	17 buttons
Interface	RS232 serial port
Power requirements	230/115 VAC, 50-60 Hz, 80 W
Measurements	cm 34 x 36 x 18,5 h
Weight	11,2 Kg

Plate Washer is an automated washer for microplates with 96 wells. Original and versatile aspirate and dispense system: less than 3 μ l of residue washing liquid. The software powerful and versatile, is able to manage and memorize as much as 100 washing programs. Programmable incubation capability. In combination with the Plate Reader it turns out to be a complete workstation for the washing and reading of ELISA tests. The software allows the operator to execute any washing cycle; parameters setting through keyboard and display.