

S P E C I F I C A T I O N S

MicroReader™ 4 Plus



MicroReader 4 Plus supplied with ELISA-FLEX™ Software, PC Interface Cable and Power Cord.

Sample Size: 1 Standard 96-Well Microplate

Applications: Absorbance, Concentration Curve, Single-point Concentration and Qualitative (Cutoff) Test.

Photometric Methods: Monochromatic & Bichromatic, within the spectral range of 400nm to 700nm.

Measurement Range: 0 to 3.0 OD (Optical Density).

Indicated Range: 0 to 4.0 OD (>3.0 OD for informational purposes only.)

Accuracy: $\pm 2.0\%$ or ± 0.010 OD, whichever is greater, in the range of 0.1 to 2.5 OD at 405nm

Reproducibility: $\pm 1.25\%$ or ± 0.003 OD, whichever is greater, in the range of 0 to 2.0 OD at 405nm.

Linearity: $\pm 1.25\%$ of range, in the 0 to 2.0 OD range at 405nm.

Reading Time: Full plate in less than 20 seconds, bichromatically.

Light Source: Tungsten Halogen Lamp.

Filter Capacity: 6-position Filter Wheel with 6-interference standard filters: 405nm, 450nm, 490nm, 540nm, 630nm and 650nm. (Other wavelengths, from 400nm to 700nm, are available by special order.)

Interface Ports: 1 Serial Port (Bidirectional)

Dimensions & Weight: 5" (12.7cm) High; 13.5" (34.4 cm) Wide; 16" (40.64cm) Deep; 18 Lbs (8.2 Kg)

Power Supply: 120/220 VAC $\pm 10\%$; 80 Watts; 60/50 Hz

Computer Requirements: 386, 486 or higher IBM® compatible (including Lap Tops), with 6 MB of hard disk space available and 3.5", 1.44 MB floppy disk drive, 4MB of RAM and DOS® 6.2 or greater operating system. 486 with Windows 95® operating system and 16 MB of RAM required for multitasking.

Monitor: 14" VGA Monitor (Monochrome or Color).

Computer Ports: 1 serial (MicroReader 4 Plus interface) and 1 parallel port (printer interface); 2 serial ports required for MicroReader 4 Plus and HyPrep™ Plus Workstation.

Mouse: Bus Mouse required for MicroReader 4 Plus and HyPrep Plus Workstation only.

TYPICAL APPLICATIONS

- ELISA/EIA Assays
- Autoimmune-Disease Assays
- Allergenic Assays
- Infectious-Disease Assays
- Hormone Assays
- Drugs of Abuse Assays
- Other Immunochemistry Assays
- Food Testing Assays
- Other Agricultural Assays
- Industrial Assays
- Environmental Assays
- Veterinary Assays

Hyperion

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