



BioScreen MS-500 - Microstrip Reader

Features

- Accepts all types of strips
- Automatic strip transportation
- Bichromatic optics, Standard model includes four filters.
- Easy to use with by-step prompting
- On-board graphics printing
- Calculates results automatically
- Large non-volatile memory stores more than 50 user entered tests
- Standard model includes one 3x12 strip carrier for break-apart microwells

Options & Accessories

- Six filter Visible and UV options available
- Durable padded carrying case with reinforced corners
- Dri-Dye® Check Strips for verifying accuracy, linearity, and repeatability
- Optional 3x8 strip carrier for non-break-apart microwell strips



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BioScreen MS-500 specification

Photometric

Linear Measurement Range:	-0.20 to 3.0 Absorbance Units (A)
Photometric Accuracy:	+/- 1% or better
Stability:	drift of no more than 0.005A in 8 hours
Light Source:	tungsten lamp, with lamp saver feature
Wavelengths:	
Standard	405, 450, 492, and 630nm
6-VIS	405, 450, 492, 545, 600 and 630nm
6-UV	340, 405, 450, 492, 545, and 630nm
Type of Filter:	multiple cavity hard coat interference, 10nm half bandpass
Vessel:	single, double, or break apart strips, up to 12 wells long 3 strip loading capacity, 2 options: 3x12 carrier for single breakapart or 12 well strips or: 3x8 carrier for non-breakapart (rigid) or 2x8 strips

Electronic

Display:	alpha numeric, 16 character red LED
Printer:	thermal, dot matrix, 20 characters per line, plus graphics
Keyboard:	16-key, domed membrane switch, enunciating
Power Requirements:	115 V or 230V AC, 50-60 Hz (switch selectable)
Microprocessor:	Z80A or Z180
Non-volatile Memory:	battery backed up RAM, holds approx. 60 tests and curves
Serial Port:	output only, custom cable available, 2400 baud, 1 start, 8 data, 1 stop, no parity, no handsnake
Certifications:	UL Listed, CE Mark

Software

Speed:	reads, calculates and prints results of 12 wells in 30 seconds
Calculation Modes:	single point calibration, point-to-point curve fit, linear regression (log and linear), log/logit, % absorbance/zero standard absorbance multi-point, uptake, cutoff, absorbance
Other Software Features:	complete user prompting, flags and error messages, lamp monitoring, graphing and curve editing

Other

Enclosure:	fire-retardant ABS plastic cover with metal base
Dimensions:	approx. 9 x 12 x 3 in. (23 x 30 x 8cm), 13lbs, (5.9kg)