Stat Fax® 3200 - Microplate Reader

Features

➥ Fully automatic

➥ Bichromatic optics

➥ Onboard data reduction calculations include regressions, curve fitting and cutoff absorbance calculations with step-by-step user prompting

➥ Large, non-volatile memory stores over 100 user-entered tests

➥ Includes parallel and serial outputs

➥ Graphic LCD screen

➥ Operates with HP, Canon & Epson® compatible external printers or optional internal printer

Options & Accessories

▷ Four and six filter models available
▷ Optional 340nm reading capability
▷ Computer interface for PC
▷ On-board printer
▷ Dri-Dye® Check Strips for verifying accuracy, linearity, and repeatability
▷ Durable carrying case

Distributed by:

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Stat Fax® 3200 Microplate Reader specifications

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
Filter Type:	multiple cavity hardcoat interference, 10nm half bandpass
Vessel:	Standard 96-well microtiter plates, or strip trays

Electronic

Display:	128x64 pixel, graphic LCD display
Internal Printer option:	thermal printer with 80 character per line capability using 80mm wide thermal paper
External Printer Requirements:	parallel: 80 column, 2K byte minimum buffer capacity. Hewlett Packard, Canon, or Epson compatible
Keyboard:	29-key, domed membrane switch, enunciating; plus 4 multi-purpose keys for display input
Power Requirements:	115V or 230V AC, 50-60Hz (switch selectable)
Serial Port:	9600 Baud, 1 start bit, 8 data, 1 stop, no parity
Microprocessor:	Z180
Non-volatile Memory:	battery supported RAM, holds more than 100 tests and curves
Certifications:	NRTL Listed, CE Mark

Software

Speed:	reads, and prints absorbances of 96 wells in about two minutes
Calculation Modes:	single point calibration, point-to-point curve fit, polynomial regression, linear regression (log & linear), cutoff absorbance, multipoint % absorbance
Additional Features:	complete user prompting, flags and error messages, partial plate reading, alphanumeric test naming, automatic interpretation options, duplicate options, clock and calendar, controls locator, self check system, curve plotting and editing

Other

Mixer:	variable time, fixed speed
Enclosure:	fire-retardant ABS plastic cover with metal base
Dimensions:	approx. 17x14.5x7in (43x37x18cm) weighs 22lbs. (10.2kg)