



## Stat Fax 2100 Automatic Micro Plate Reader



### Features

- Fully automatic
- Bichromatic optics
- On board data reduction calculations include regressions, curve fitting and cutoff absorbance calculations with step-by-step user prompting
- Large, non-volatile memory stores at least fifty user entered tests
- Includes parallel and serial outputs (serial cable included)
- Operates with or without a computer. A bidirectional inter-face is available as an accessory for linking to either a Macintosh or IBM type computer

### Options & Accessories

- Four and six filter models are available
- Optional 340nm reading capability
- Computer interface for Macintosh or IBM type PC's (2100-A-MAC, 2100-A-PC)
- Serial printers for either 110 or 220V AC
- Dri-Dye® check strips for verifying accuracy, linearity, and repeatability

### Technical 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
	Standard
	405,450,492, and 630nm
Wavelengths:	6-VIS
	405,450,492,545,600 and 630nm
	6-UV
	340,405,450,492,545, and 630nm
Filter type:	3 cavity sealed interface, 10nm half bandpass
Vessel:	standard 96-well microtiter plates, or strip trays

#### Electronic

Display:	two line LCD, alpha numeric, 24 characters per line
Printer requirements:	parallel or serial, 80 Column, 2K byte minimum buffer capacity
Keyboard:	29-key, domed membrane switch, enunciating
Power requirements:	115V or 230V AC, 50-60Hz (switch selectable)
Serial port:	2400 baud, 1 start bit, 8 data, 1 stop, no parity



Microprocessor: Z80a or Z180  
Non-volatile memory: battery supported RAM, holds approx. 50 tests and curves  
UL Listed

### **Software**

Speed: reads, and prints absorbances of 96 wells in about two minutes  
Calculation Modes: single point calibration, uptake mode, point to point curve fit, polynomial regression  
linear regression(log & linear), cutoff 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 30 lbs. (13.7 kg.)