



Stat Fax[®] 1904Plus - Chemistry Analyzer

Inset - shown with Mosquito[®] Aspiration Flow Cell accessory

Features

- ⇒ Bichromatic optical system with six wavelengths including 340nm.
- ⇒ Pre-programmed calculations for both kinetic and endpoint assays.
- ⇒ Twelve-station 37°C incubation block and temperature-controlled read cell.
- ⇒ Easy to use with step-by-step prompting and built-in thermal printer with graphics capability.
- ⇒ Large, non-volatile memory to store more than 50 curves and test parameters.

Options & Accessories

- ⇒ Redi-Check[®] to monitor accuracy, linearity, and repeatability of Stat Fax[®] Chemistry Analyzer.

Mosquito[®] Aspiration Flow Cell

- ⇒ Powered from the Stat Fax[®] Chemistry Analyzer.
- ⇒ Keyboard selectable read volume from 250mL to 500 mL.
- ⇒ Software controlled with user prompts.
- ⇒ Internal extra-quiet vacuum pump.
- ⇒ All cables and connectors included.

Distributed by:



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Cost Effective by Design[®]

Stat Fax[®] 1904 Chemistry Analyzer Specifications

Photometric

Linear Measurement Range:	0.0 to 2.5 Absorbance units (A).
Photometric Accuracy:	+/- (1% of the reading + 0.005A).
Stability:	Drift of no more than 0.005A in 8 hours/bichromatic.
Light Source:	Tungsten lamp with lamp saver feature.
Standard Wavelengths:	340, 405, 450, 505, 545 and 600nm. (alternate filters available from 340 to 700nm)
Filter Type:	IAD hardcoat interference, 10nm half bandpass.
Tube Size:	12 mm round is standard.
Minimum sample volume:	1mL for 12mm round tube, 250mL with Mosquito accessory.

Electronic

Display:	Alphanumeric, 16 character LCD.
Printer:	Thermal dot matrix, 20 characters per line, plus graphics.
Keyboard:	16-key, domed membrane switch, enunciating.
Power Requirements:	115V or 230V AC, 50-60Hz (switch selectable).

Software

Speed:	Reads, calculates and prints results - 3 seconds per tube.
Calculation Modes:	Single point calibration by standard or factor, multipoint calibration with point-to-point curve fit, rate by standard or factor (batch or singly).
Test Menu:	More than 60 open channels to store tests. Stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, rate timing, standard values, test names, and previous standard curve.

Other

Temperature	37°C, block stays on, cell has on/off switch.
Enclosure:	Painted flame-retardant ABS plastic cover with metal base.
Dimensions:	Approx. 9x13.5x5in. (24x34x13cm) weighs 10 lbs.(4.5kg).
Certifications:	NRTL listed, CE mark.

Mosquito[®] Aspiration Flow Cell specifications

Cell

Minimum aspiration volume:	250mL at 7"Hg vacuum.
Other Volume Options:	300, 350, 400, 450, 500mL.
Illuminated Volumes:	21mL.
Equivalent Pathlength:	1cm.
Cell Body:	Surgical grade stainless.
Windows:	1mm Pyrex.

Control Module

Power Input:	12V DC/0.7A from analyzer.
Valve:	Silicone pinch type.
Vacuum Sensor:	Piezoresistive bridge type.
Vacuum Regulation:	Better than 0.25" Hg.
Vacuum Pump:	Self contained.
Full Sensor:	Stainless conductivity probe.

Mosquito[®] is compatible with 1900 series chemistry analyzers with 12mm round read cell manufactured by Awareness Technology, Inc.