

CHROMATE®



CHROMATE® - a compact, 8-channel microplate reader. Its streamlined design and minimal footprint offers superb optics to fit any size lab bench.

CHROMATE® and your PC team up to provide rapid reading and full access to high level software, reporting, curve fitting, and data storage, to meet the requirements of modern laboratories. Instrument and software come ready to "plug and play" with your PC.



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Cost Effective by Design®

CHROMATE®

4300 Microplate Reader Specifications

Photometric

Optical Measurement Range:	0.0 to 4.0 Absorbance units (A).
Photometric Accuracy:	+/- 1%.
Stability:	drift of no more than 0.005A in 8 hours.
Light Source:	Remote halogen lamp source with lamp saver feature.
Wavelengths:	Standard: 405, 450, 492, and 630nm. 6-filter: 405, 450, 492, 545, 600, and 630nm. Filter options from 405nm to 700nm.
Filter Type:	IAD hardcoat interference, 10nm half bandpass.
Vessel:	Standard 96-well microtiter plates, or strip trays.

Electronic

Power Requirements:	115V or 230V AC, 50-60Hz (auto-sensing).
PC connection:	USB Port.
Speed:	Reads absorbances of 96 wells in about 12 seconds.
Plate Transport:	Stepper motor.

Software

PC interface with ChroMate® Manager software - included. (PC not included)

Calculation Modes:	Single point calibration, point-to-point curve fit, polynomial regression, linear and sigmoidal regression (log & linear), cutoff absorbance, multipoint % absorbance.
Additional Features:	User-programmable open system, selectable plate formatting, alphanumeric test naming, automatic interpretation options, duplicate well options, curve plotting and editing, flags and error messages.

Other

Certifications:	NRTL Listed, CE Mark.
Enclosure:	All metal enclosure
Dimensions:	approx. 7.5x8.0x16.5 (19x20.3x42cm) weighs 10lbs. (4.5kg)

