



INTRODUCING THE VINTESSENTIAL WINERY PRO ANALYSER.

AUTOMATED RESULTS WITH CONFIDENCE.

The Vintessential WineryPro is a compact and efficient automated chemistry analyser, offering reliable performance and accurate results. Built in the US, it has been pre-programmed for dedicated use with Vintessential Test Kits: the only ones made in our own Winechek laboratory group exclusively for the wine industry.



VINTESSENTIAL WINERY PRO ANALYSER TECHNICAL SPECIFICATIONS

GENERAL

Maximum throughput per hour	100 endpoint tests
Minimum reaction volume	240 µL or less
Maximum reaction volume	700 µL
Dimensions	53 cm width; 40 cm height; 50 cm depth; <15 kg approximate weight

REAGENT & SAMPLE DISPENSING

Capabilities	Dilution; pre-dilution; dispensation of single or multiple reagents
Maximum number of reagents	12 x 15mL vials; 6 x 8 mL bottles; 16 x 5mL vials
Minimum/ maximum volume	2 µL-388 µL
Maximum samples	Typically, 20 including calibrators and controls on the standard integrated rack; 16 sample spaces are available with the optional barcode rack
Reaction vessel	5 per cuvette; 40 total on board
Instrument bottles	0.25 L priming bottle; optional 0.5 L bottle available

INCUBATING, TIMING & TEMPERATURE CONTROL

Thermal control	Cuvette carrier 37°C or ambient room temperature
Reagent cooling	Refrigerated reagent rack cools 8 to 12°C below ambient through Peltier thermoelectric modules

READING

Optical design	Reads absorbance in one channel; user-selected mono or bichromatic results
Filter wheel	340, 405, 505, 545, 580, 630 nm
Light source	Halogen lamp
Linear range	0.00 to 3.0 A ± (1% of the reading)
Photometer accuracy	+0.005 A from 0 to 1.0 A; ± (2% of the reading +0.005 A from 1.0 to 3.0 ; A); NIST-traceable calibration

SOFTWARE

Upgrade format	USB and Internet
Operating systems	Microsoft Windows® version 7.8.10
Methods	Vintessential Test Kit methods are pre-programmed, including reagent and calibrator definitions and test flows
Calculation modes	Single standard; factor; fixed-time kinetics; kinetics by standard or factor; multi-calibrator point-to-point; linear regressions; cubic spline; 4-parameter logistic; percent absorbance
Self-monitoring modes	Lamp; bottle volumes; filters; pressure; vacuum; mechanical function; et al
QC options	Store control data; print Levey-Jennings or QC-range plots; calculate SDs

CERTIFICATIONS

NRTL-listed, CE-marked and certified under ISO 1 3485 2003. Vintessential reserves the right to change specifications without notice through continuous design improvement.

