

alto

technical specifications sheet

The Stratus is RoHS compliant, CE certified, made in the USA, and has a two year warranty.



general

Detection Method	For measurements of optical density
Detection Mode	Kinetic, Endpoint
Plate Types	6, 12, and 96-well plates, as well as the cerillo co-culture duet plate
Dimensions	W: 15.0cm D: 13.3cm H: 7.2cm
Weight	800g
Power	5V, 500mA USB Supply

measurement

Environmental Tolerance	Temp: 0-50°C Humidity: 0-99%, O ₂ Concentration: 0-21%, CO ₂ Concentration: 0-25%
Wavelength	Single Wavelength: 600nm, 450nm
Light Source	Monochromatic LEDs
Resolution	0.001OD
Detection Range	0.000 - 2.500OD
Linearity	< ±1% (0.000 - 2.000OD)
Accuracy	< ±1% and ±0.02OD (0.000 - 2.000OD)
Repeatability	< ±0.25% and ±0.005OD (0.000 - 2.000OD)
Data Storage	microSD; up to 32GB (16GB card provided)

software

Operating System	macOS: 11 (Big Sur), 12 (Monterey) Windows: 10, 11
Data Export Format	.csv (on-board), .xlsx (some Labrador exports)