Cellometer Ascend

Specification Sheet

Includes:

- Cellometer™ Ascend™ Automated Cell Counter with integrated touchscreen computer and dual-fluorescence optic channels
- Matrix™ Software
- Two Ports on front of instrument (one USB A and one USB C)
- Three Ports on back of instrument (two USB A and one Ethernet)
- Power Supply and Power Cord
- Phone/online applications support during set-up

Imaging Performance:

Cell Size 5 – 80 microns

Conc. Range: 2.0×10^4 – 2.0×10^7 cells/mL

Brightfield imaging, fluorescent imaging, and pattern-recognition software to quickly and accurately decluster, identify, and count individual cells.

Instrument Specifications:

Weight: 24 lbs (10.5 kg)

Dimensions: Width: 9.9″ (25 cm)
Depth: 13″ (32.8 cm)
Height: 18.7″ (47.5 cm)

Input to Power Adapter: 100-240 VAC, 50/60 Hz, 1.5A

Output to Instrument: 12 VDC, 10A

Display:

Touchscreen (10.1″) with advanced touch capabilities

Fluorescence Optics:

Excitation LEDs (nm)	Emission Filters* (nm)
475	534
531	655

** Center Wavelength*

Example Fluorophores:

- Acridine Orange (AO)
- Calcein AM
- CFDA
- GFP (Green Fluorescent Protein)
- SYTO™ 9, SYTO™ 13

Example Fluorophores:

- Propidium Iodide (PI)
- Ethidium Bromide (EtBr)

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1001582 Rev C