



eviDense UV Photometer

In-Process Nucleic Acid Quantification

Measure Absorbance Right At The Pipette Tip

The eviDense UV Photometer is an on-deck module for liquid handlers that seamlessly integrates optical density and absorbance measurements into liquid handlers. Measurement at four wavelengths allows for automated determination of DNA and RNA concentration and purity assessment. The micro-cuvette based technology enables fast and reliable in-process readings while maximizing walk-away time and ensuring data integrity.



Hands-free operation

In-process measurements eliminate manual interventions – maximizing walk-away time and increasing overall lab efficiency



Precise and reliable

Automated, on-deck measurements deliver consistent results and reduce errors resulting from manual handling



Intelligent data handling

Integrated sample identification, data capture, and transfer enhance traceability and eliminate transcription errors



Space saving

The eviDense UV fits into a standard SBS plate position, requiring minimal space and allowing seamless integration into liquid handlers



Technical Specifications

Measurement principle	UV optical Density (OD) / absorption
Light source	LED
Wavelengths	230, 260, 280, 340 nm
Detector type	Photodiode
Pathlength	1 mm
Sample volume	10 µL
Measurement acquisition time	1 s
Compatible cuvettes	eviEtte Micro Cuvettes
Dimensions	Base Socket (W x D): SBS format, 128 x 85 mm (5 x 3.3 inch) H: 96.5 with cuvette racks and cuvettes
Weight	0.5 kg (1.1 lb)
Communication interface	USB Type C (Protocol USB 2.0)
Environmental conditions	15 - 30 °C (59 - 86 F), 20 - 70% relative humidity (non-condensing)
Altitude	Up to 2000 m (6500 ft)
Fuse	T 2A 125 VDC
Operating voltage	24 VDC
Power supply	Universal AC-DC adaptor 85-264 VAC input, 24 VDC 18W output, IEC320-C14 (3 pole) inlet
Certifications and compliance	CE marked (conforming with applicable EU directives) cMETus certified (conforming with US and Canadian safety standards)

