DEN-600

Photometers NEW

DEN-600/DEN-600m is a compact, portable, rechargeable battery-powered photometer. It comprises of 600 nm wavelength optical system, which enables to apply —

1. OD_{600} method estimates the total number of cells.
2. McFarland (McF) turbidity measurement method.
3. Bradford protein assay method for protein concentration measurement.
4. Other methods that can be adjusted or optimized using 600 nm wavelength.

The device serves as an inexpensive alternative to a spectrophotometer commonly used for these applications. Because **DEN-600/DEN-600m** is battery powered and compact, it can be comfortably located in a biosafety cabinet, anaerobic chamber or quickly moved to another lab room. Additionally, the vessel holding mechanism allows accommodating round bottom, conical vials or falcon tubes, therefore enabling to measure the absorbance (Abs) and turbidity in Abs, OD and McFarland units.

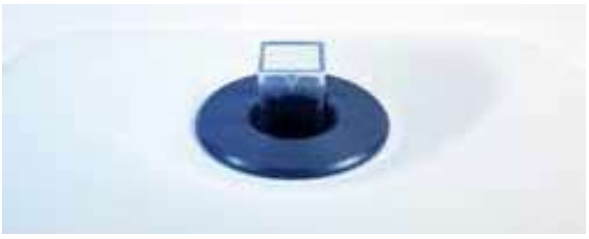
USB connectivity and DEN software allow for data transfer, data processing and calculation, software calibration for Bradford protein assay method or a custom calibration for a specifically

Light source	LED
Photodetector	Silicone photodiode
Measurement wavelength (λ)	600 nm ±10 nm
Vessel type	Cuvettes, round bottom tubes, falcon tubes
Battery type	LiPo
PC system requirements:	Intel/AMD Processor, 1 GB RAM, Windows Vista/7/8/10/11, USB
Dimensions (W×D×H)	120 × 145 × 65 mm
Weight	0.5 kg
External power supply	Input AC 100–240 V 50/60 Hz, Output DC 12 V

Measurement modes	**Absorbance**	**McFarland**
Measurement range	0–3.0 Abs	0–16.00 McF
Resolution	0.001 Abs	0.01 McF
Accuracy	±0.006 @ 1 Abs	±0.1 @ 0–8 McF
Repeatability	±0.003 @ 1 Abs	±0.05 @ 0–8 McF

COMMON APPLICATIONS:

- Cell concentration measurement
- Cell growth data estimation
- Log phase estimation for microbial cells induction
- Competent cell preparation
- Bradford protein assay method
- Antibiotic susceptibility testing
- Inhibitory tests



ORDERING INFORMATION

	Cat. number
DEN-600	BS-050109-AAA

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