



Densitometers

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DEN-1 for 0.3 - 15.0 McFarland units
DEN-1B for 0.00 - <15.00 McFarland units, powered by battery or mains

Densitometers

Compact and efficient benchtop densitometers for measuring turbidity of cell suspensions in a variety of life-science applications.

The densitometers are designed and factory calibrated to measure turbidity in the range of 0.3 to 15.0 McFarland units (DEN-1) 0.00 to <15.00 McFarland units (DEN-1B) with a small standard deviation. The densitometers can deliver a wider measurement range (up to 15.00 McFarland units) with a greater standard deviation.

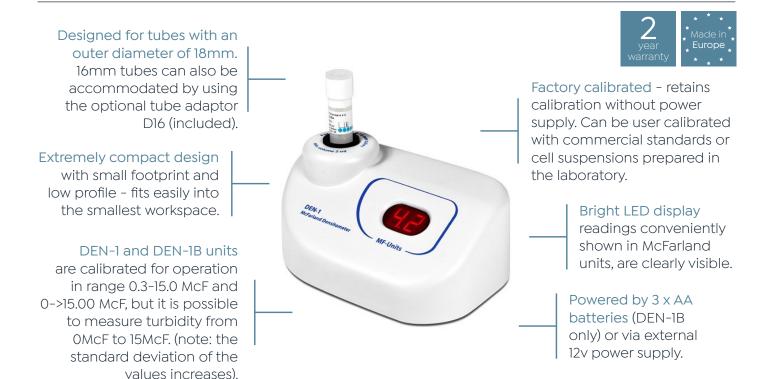
Measurement range: 0.3 to 15.0 McFarland units (DEN-1), 0.00 to <15.00 McFarland units (DEN-1B)

Precision: ±3%

Measurement time: 1 second

Standard deviation at 3.00 McFarland units: ±0.1 McF

User calibration option

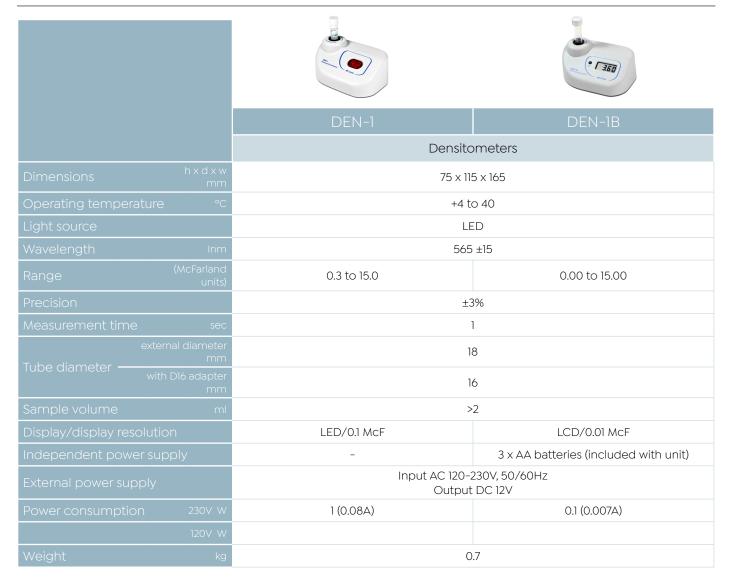


Applications

• Life-science - typical applications include determining concentration of cells (bacterial and yeast cells) in the fermentation process, detecting the susceptibility of micro-organisms to antibiotics, identifying micro-organisms with various test systems, and measuring optical density at fixed wavelength.

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Technical specifications



PCV series

Options and accessories

			DEN-1	DEN-1B
DEN MCF STDS	Set of liquid McFarland standards in 16mm ø glass tubes. 0.5/1.0/2.0/3.0/4.0 can be decanted into an alternative tube (shelf-life no longer valid). Requires D16 adaptor, supplied with DEN-1/DEN-1B			
D16	1	Spare tube adaptor for tubes with 16mm outer diameter – included as standard		

Contact us today

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