

# Grant-bio





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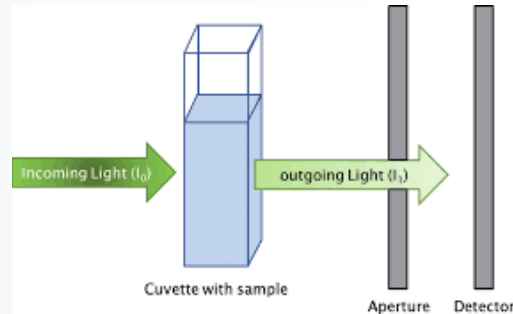
# DEN-600 Photometer at a glance



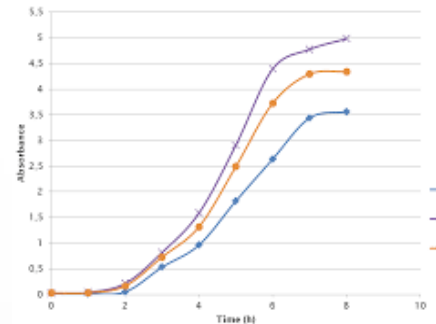
- Battery powered and compact
- Fixed wavelength 600 nm
- Software for measurement, results, upload and analysis (USB connectivity)
- Compatible with various vessels – 10mm path length cuvettes, falcon tubes etc.



Sample prep



Measurement



Results

# Targeting and application

- Applications include:
  - OD600 method for total cell estimation
  - McFarland (McF) turbidity method measurement
  - Bradford protein assay method for protein concentration
- Battery powered so suitable for use in biosafety cabinets
- Inexpensive alternative to a spectrophotometer for biotechnology labs
- Common applications include:
  - 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



# Specifications

<b>Light source</b>	LED, self-calibrating	
<b>Wavelength (<math>\lambda</math>), nm</b>	600 $\pm$ 10	
<b>Vessel types</b>	Cuvettes, round bottom tubes, falcon tubes	
<b>Measurement mode</b>	<b>Absorbance, Abs</b>	<b>McFarland, McF</b>
<b>Measurement range</b>	0 – 3.000	0.00 – 16.00
<b>Resolution</b>	0.001	0.01
<b>Accuracy</b>	$\pm$ 0.006 @ 1 Abs	$\pm$ 0.1 @ 0-8 McF
<b>Precision/Reproducibility</b>	$\pm$ 0.003 @ 1 Abs	$\pm$ 0.05 @ 0-8 McF
<b>Battery type</b>	lithium-ion polymer battery (LiPo)	
<b>Display</b>	LCD	
<b>PC system requirements</b>	Intel/AMD Processor, 1 GB RAM, Windows Vista/7/8, USB	
<b>Weight</b>	0.5 kg	
<b>Dimensions (WxDxH)</b>	120 $\times$ 145 $\times$ 65 mm	
<b>External power supply</b>	Input AC 100–240 V 50/60 Hz, Output DC 12 V	



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McFarland standards in 16mm ø glass tubes. 0.5/1.0/2.0/3.0/4.0 can be decanted into an alternative tube (shelf-life no longer valid).

# Ordering Information

- Product Code DEN-600
- Country of Origin Latvia
- Warranty 2 years
- HS Code 9027.50.0000
- Weight 0.5Kg
- Dimensions 120 x 145 x 65 mm w x d x h
- Price – please refer to 2022 issued price list