

# Photopette® *German Engineered*

Personal handheld photometer for on-the-spot analysis of liquid samples.

- ☒ Portable with Small Footprint
- ☒ Highly Productive
- ☒ No Downtime
- ☒ Geo Tagging, Photo, Notes, Date and Time Embedded in Data File



## ULTRAFAST Measure & Share in 4 Steps



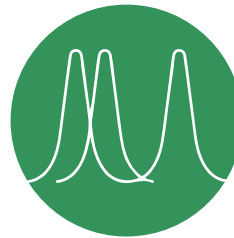
### Select

Choose your Application or Wavelength



### Measure

Perform Qualitative & Quantitative Measurement using Photometry



### Analyse

Observe Protein, DNA, RNA, Cell-Count



### Share

Share your Results with Ease to other Devices or People in Real-Time

Photopette® is designed for a variety of applications around the globe for **Education & Teaching, Life Sciences & Research, Food & Beverage, Energy & Chemical, Poultry, Feed & Livestock** and **Clinical Diagnostics & Pharma** industries.



Outdoor



In Sterile Environment



In Laboratory

## Photopette® Cell (supports 340 nm, 570 nm, 600 nm)

- NAD/NADH based enzymatic assays such as lactate, pyruvate, glucose and alcohol
- Cell-viability assay using resazurin dye (\* alamarBlue®)
- Turbidity
- Cell density (mammalian, bacterial or yeast)
- Protein concentration measurement using Bradford assay
- Precise pH measurement with malachite green dye

\* "alamarBlue®" – Trek Diagnostics Systems Inc



## Photopette® – Custom

- Customizable to include 3 wavelengths of your choice between 250 nm and 1050 nm

## Photopette® – OEM

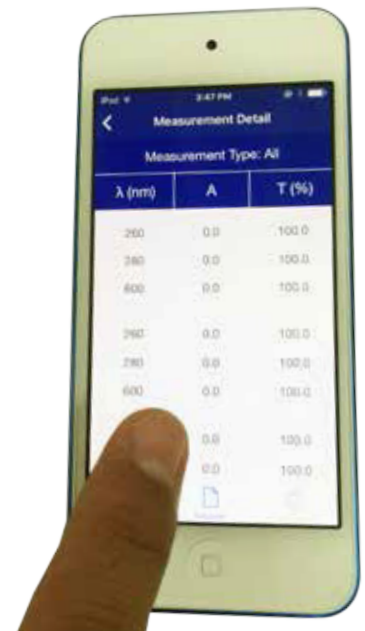
- Complete workflow developed by our team of experts to address your application

## Technical Specifications

Instrument Type	Fixed wavelengths handheld photometer with ambient light compensation
Wavelength Accuracy	$\pm 2$ nm
Measurement Precision	better than $\pm 0.020$ AU
Photometric range	0.000 AU ~ 3.000 AU
Measurement time	Within 2 seconds per measured wavelength
Warm up time	None
Lifetime (light-source)	> 500,000 measurements per wavelength
Operation and handling	–Easy sterilization with ethanol wipes –Water and dust resistant housing (no IP rating) –Resistant to mild acids and solvents
Operating conditions	Recommended: 18~25 °C at 30% Maximum: 5~45 °C at 80% RH (non-condensing) (25,000 measurements and / or 6 days standby on a single charge) Auto power save mode
Storage conditions	-20 to 50 °C (max) and up to 80% relative humidity (non-condensing)
Disposable	Standard CuveTip™ ; UV CuveTip™ <input type="checkbox"/> Sterile *optional
CuveTip™ chemical compatibility	Aqueous solutions, dilute acids and bases, alcohols, vegetable oils, blood serum, cell culture media, etc
Power requirements	Internal 2500 mAh battery with microUSB charging plug
Dimensions and weight	Fits within 202 mm x 47 mm x 42 mm; Weight = 160 g approx
Supported languages (App)	English, German, Simplified Chinese and Japanese



Photopette® App is now available at



(주) 바이오디

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