

Promilite M1

Documentation



PROMILITE M1

GENERAL SPECIFICATIONS

- Compact, desktop, PC-controlled tube luminometer
- Specifically designed software
- Embedded or external computer possible
- Low noise single photon counting photomultiplier
- High sensitivity
- 4 Positions for injectors or shaker available
- Injectors and/or shaker easy to change
- Minimized reagent usage during priming
- Up to 10 cuvettes with samples per measurement



PHOTONIX®

ABOUT THE SOFTWARE

- Platform independent software - Photonix®
- Password protected administrator mode
- Very simple and flexible set-up of the measurement
- Protocols for standard assays implemented
- Custom specific assays can be created
- Intelligent reagent tracking
- Colour coded, automated result interpretation
- Improved data security
- Flexible data search and export
- Automatic backup and archive features



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APPLICATIONS

Cosmetic industry

- Liquid soap
- Toothpaste
- Shower and bath products
- Body creams
- Make up

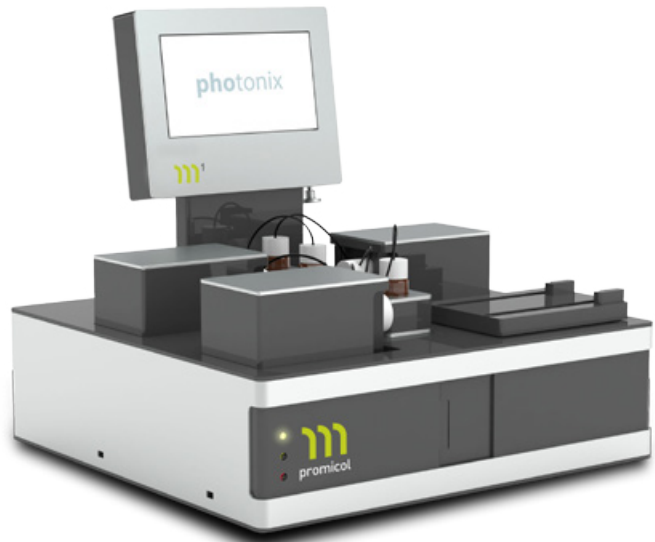
Food industry

- Fruit juice
- Soya
- Baby food
- Pudding/dessert
- Non-dairy creams
- Soup
- Wine
- Milk
- Beverages

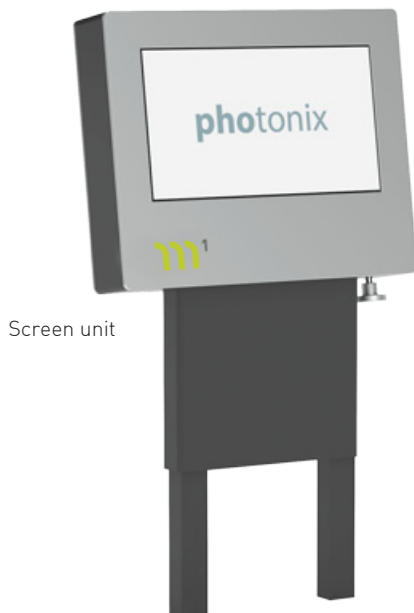
Other industries

- Biomass
- Custom made solutions

Several standard kits are available, but it is a pleasure to design a new kit just for your specific product.



Assembled instrument



Screen unit



Injector unit



Shaker unit

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CONFIGURATIONS

Standard configurations

- Promilite M1 with 2 injectors
- Promilite M1 with 2 injectors and 1 shaker
- Promilite M1 with 3 injectors
- Promilite M1 with 3 injectors and 1 shaker
- Promilite M1 with 4 injectors

Number of injectors and necessity of the shaker is depending on your application.

All units can be equipped with a mounted screen/ computer unit or an external computer.



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ADVANTAGES SUMMARY

- Affordable
- Compact
- Designable to your own application
- Easy to use
- Kits specially designed for your specific product
- Platform independent software, Photonix®
- Measurement history easily available

Contact one of our distributors or Promicol® for more information.

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TECHNICAL SPECIFICATIONS

Sample format: cuvettes 2 ml

Detector: photomultiplier tube with
bi alkali cathode, effective
spectral sensitivity range
300 - 630 nm, operated in
photon counting mode

Sensitivity: 20 attomole ATP

Crosstalk: less than 1×10^5

Dynamic range: 6 decade measuring

Measurement time: 0.1 s - 100 s per vial

Injectors: 2, 3 or 4 injectors available

Injection volumes: 50 μ l - 1 ml

Tubing: chemically inert PTFE
tubing and connectors
(PTFE; KEL-F; Glass; PS),
easily exchangeable liquid
handling system and tips;
minimal dead volume due
to short reagent lines

Shaker: external shaker available;
orbital shaking with flexible
duration and repeat interval

Interfaces: USB interface for
external PCW

Dimensions: w 390 mm, d 385 mm,
h 390 mm

Weight: approx 20 kg

Power: 24 V DC, 4 A

Power consumption: 96 VA (3 injectors, 1 shaker)

Operating temperature: 10 °C - 30 °C

Humidity: 10 % - 80 %
(no condensation)