PhotonMaster® Luminometer

Reliable data starts with a reliable device. Generate your data from the PhotonMaster, a luminometer that is sensitive enough for the cleanest sample, robust enough for the toughest testing environment, and cost-friendly for any budget. LuminUltra's PhotonMaster is coupled with the PhotonMaster Bluetooth Module (PBM), meaning that data can not only be generated independently from a computer, but also collected and analyzed in real-time when paired via Bluetooth with our MyLuminUltra website or mobile app.

PhotonMaster & PBM Equipment Set

- 1 x PhotonMaster Luminometer & Carrying Case
- 1 x PhotonMaster Bluetooth Module (PBM)
- 1 x USB Cord, Micro-to-A
- 1 x Pipette, Fixed Volume 100uL
- 1 x Pipette, Fixed Volume 300uL
- 1 x Pipette, Fixed Volume 1000uL
- 1 x Test Tube Rack, Plastic, 12mm x 25 tube
- 2 x Test Tube Rack, 4-Way Flipper, Blue
- 1 x Test Kit Tote Bag

Ask us for a business case for using LuminUltra's solutions to save your operation time and money at sales@luminultra.com

Product Specifications

PhotonMaster

Linear Dynamic Range (ATP): 4 x 10^{-12} to 1 x 10^{-6}M ATP
Linear Dymanic Range (RLU): 0 to 10,000,000 RLU
Assay Tube Chamber: ϕ12 x 55mm
Detector: Photomultiplier Tube (PMT)
Interface: USB, 3ft cord
Power: USB 5-volt <120mA
Control Method: PhotonMaster Bluetooth Module, myLuminUltra software
Dimensions (mm): 77W x 125D x 88H
Weight: 1.01lbs (460g)
Storage Temperature: -10 to +50°C
Operating Temperature: +5 to +35°C

PhotonMaster Bluetooth Module

Battery: 2600 mAh Lithium-Ion (1500 readings on full charge)
Luminometer USB Connection: Type A Female; 100mA output
PC/Power USB Connection: Type B Micro Female; 500mA input
Bluetooth Connection: Bluetooth Low Energy (BLE), Bluetooth Classic (BTC)
Control Methods: Onboard, USB-to-PC, Bluetooth-to-mobile
Dimensions (mm): 130 x 70 x 26 (L x W x H)
Weight: 152g
Storage Temperature: -10 to +50°C
Operating Temperature: +5 to +35°C
Low Battery Indicator: 5 measurements (red battery LED will start to blink)
Memory: 1000 sample points (notification to clear memory at 900 SP)

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LUMINULTRA®
microbial monitoring