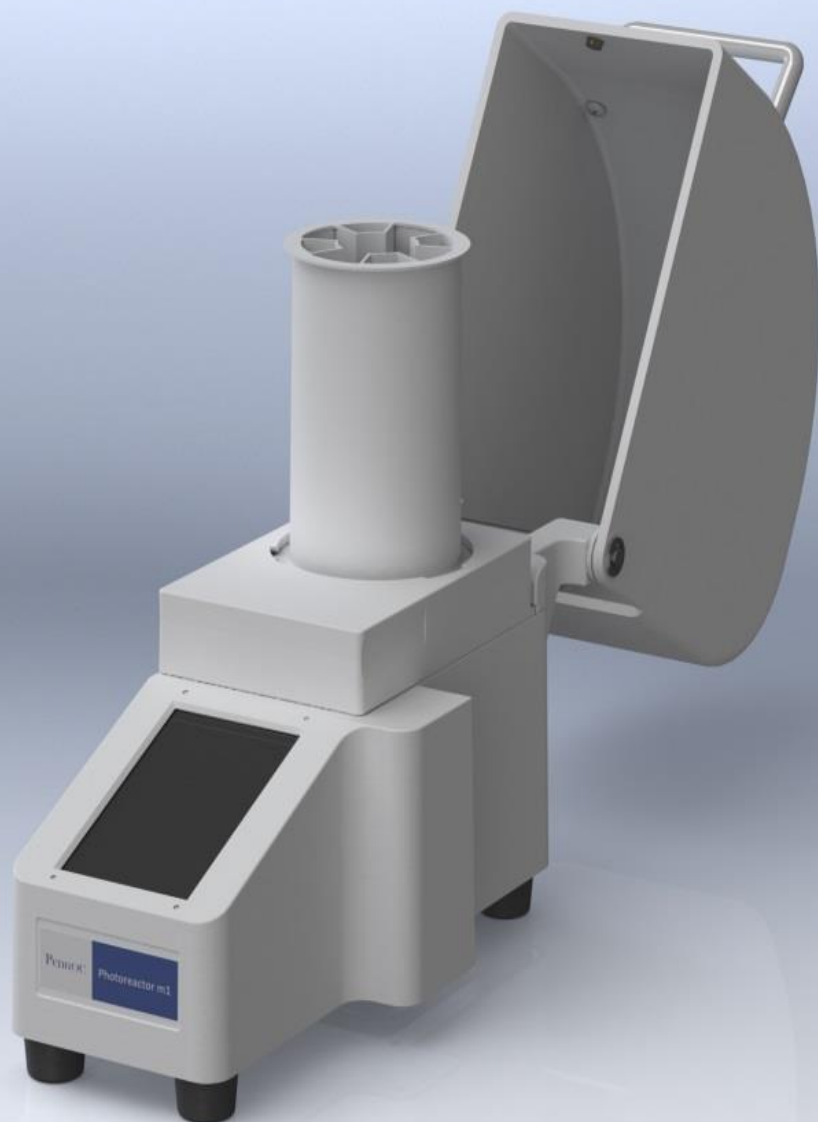


# PennOC Photoreactor m1



Reduces Redox Catalysis Reactions from Hours to Minutes.



Penn Optical Coatings is excited to announce the upcoming release of the Penn OC Photoreactor m1. This revolutionary addition to Photo-Redox chemistry is now available to Pre-Order through Penn Optical Coatings. The unique design standardizes reaction parameters such as time, light intensity, stir rate, and temperature, all of which can be input via the interactive touch screen on the front panel. The Penn OC Photoreactor m1 dramatically accelerates redox catalysis reaction times across the board.

The Penn OC Photoreactor m1 was invented through a collaboration between the MacMillan Group at Princeton University and Merck & Co., Inc.

For pricing information and to place an order, contact [sales@pennoc.com](mailto:sales@pennoc.com)



## Specifications

### Photoreactor m1 - Technical Specifications

Light module options	365, 420, and 450nm
Touch screen	3.5" TFT LCD; 320 x 480 resolution
Variable stir bar control	100 - 2000 RPM
Temperature monitoring	K-Type Thermocouple
Reactor vial holders	4, 8, 40 mL & gc

### Electrical and Mechanical Specifications

Power input	100 to 240VAC @ 50/60Hz
Enclosure	Customized trade housings optional <sup>1</sup>
Operating conditions	10 - 40C, 0% - 95% RH Non-condensing
Weight	TBD
Dimensions (W x H x D)	11.4 x 27.2 x 27.9 cm; 4.5 x 10.7 x 11.0 in

### Features:

- Penn OC Photoreactor m1 is a complete system with 450nm light source, stir bar driver, and active cooling
- Modular design allows for use with a variety of wavelengths
- 360 degree reflective environment maximizes surface area photon capture
- Light shield interlock prevents user exposure to harmful light rays
- Custom packaging and wavelengths available<sup>1</sup>
- Intuitive touch screen controls
- Intertek ETL, CE Mark, and CB Scheme completion in Q2 2017

1. Engineering charges may apply  
2. All specifications subject to change without notice

Designed in accordance with UL61010-1, 3rd ed.; IEC 62471  
Photobiological Safety of Lamp Systems; IEC 61010-2-051 Mixing  
and Stirring (2015-03); Can/CSA C22.2 Number 61010-1

For pricing information and to place an order, contact [sales@pennoc.com](mailto:sales@pennoc.com)