

# APOLLO 1.0 NEW PRODUCT!

*Measures UV and Visible light via a wireless sensor  
Traceable to NIST and SP*

Labino Apollo 1.0 Radiometer/Photometer is an instrument for accurate measurement of UV-A irradiation and visible illumination. Extra engineering effort is taken to make an accurate measurement of visible light emission from a UV-A lamp by incorporating a superior band pass filter stack containing only non-fluorescent filters. The instrument provides fast measurement as it offers auto ranging and concurrent measuring of visible light and UV-A irradiation.

Apollo 1.0 is traceable to NIST (USA's National Institute of Standards and Technology).

## ADVANTAGES OVER TRADITIONAL METERS

**A. WIRELESS:** Sensor measurements and transmission of data is done via Bluetooth. The wireless sensor enables the user to measure from a distance of up to five meters. This feature ensures that the sensor unit is stable and no movement occurs from connecting cables during measurement.

## B. CALIBRATIONS NEED NOT DISRUPT YOUR OPERATIONS:

A user can buy a double kit (1 reader, 2 wireless sensor units) and only send one sensor for calibration, while making use of the other, so that operations are never disrupted. Each sensor unit has both a UV and White light sensors incorporated on it. Please note that Aerospace companies that are audited by Nadcap must send in both the reader and the sensor when calibrating.

**C. EASE OF USE:** The Apollo Meter is ergonomic and easy to use due to its light weight chassis, wireless sensor unit and compact size. Light in the display comes on automatically when measuring in a dark area and it provides an auto ranging for visible light and UV light simultaneously. The meter features both hold and peak functions.

- ◆ Hold function: By pressing the Hold button the present value is stored.
- ◆ Peak function: By pressing the Peak button the sensor automatically stores the highest value measured.

SPECTRAL SPECIFICATIONS OF SENSORS ARE AS FOLLOWS:

UV Light Sensor	White Light Sensor
Spectral Range: 300 nm to 400 nm	Spectral Range: 400 nm to 700 nm
Sensitivity Region (FWHM): 325 nm to 395 nm	Sensitivity Region (FWHM): 485 nm to 600 nm
Operation Range: 0 to 50,000 $\mu\text{W}/\text{cm}^2$	Operation Range: 0 to 10 000 Lux (1 000 fc)
Accuracy: UV Light: +/- 4 %	Accuracy: Visible Light: +/- 3 %



- ✓ Wireless Sensor measures up to a distance of 16 feet (5 meters) from the Reader unit



- ✓ Red LCD screen for easy readings
- ✓ Peak function identifies highest reading



- ✓ Reader unit powered by three "AA" batteries that last 100 hours of active measurement
- ✓ Sensor unit powered by one "1/2 AA" lithium battery that lasts 600 hours of active measurement

# LABINO MPXL LAMPS

*More power, less weight and easy to operate designs to make your job easier and more efficient*

Labino MPXL lamps are available with a variety of features to give operators of black lights the opportunity to choose what best suits their needs. The choice of a model depends on the conditions under which an operator is using these lamps. Does an inspection need to cover small areas or large areas? Does it involve difficult structures and therefore a lighter lamp is required? Do they simply need more power or less power can suffice? We can accommodate all needs! Simply choose among the available features below.

Labino MPXL lights utilize 50 W and 35 W lamps. Depending on the model, choose between battery operated or mains operated or choose both (SuperXenon). Labino's new model, the SuperXenon, can carry a powerful 50 W lamp generating very high intensity and the docking battery can be switched into mains, and vice versa. Both power supplies can be used on the same unit. Most models are less than 3 kg and are available with your choice of "no handle" (for easy mounting on benches or other areas), a "top handle" or a "pistol handle". All Labino MPXL models are available with spotlight, midlight or floodlight beam. Voltage can be adjusted for use anywhere in the world. To protect your equipment we recommend you purchase a carrying case for your lamp.

UV is dangerous – don't forget to protect yourself. UV block goggles are included in all MPXL lights. You can also purchase faceshields for better protection (see page 21).

Available features	SuperXenon	Compact	DUO	TrAc Light	TrAc Light PRO
50W	✓				
35W	✓	✓	✓	✓	✓
One housing	✓	✓		✓	
Two housings (luminary / ballast)			✓		✓
Weight	Mains 1.4 kg Battery 1.9 kg	2.25 kg	Luminary part 1.2 kg Ballast part 1.5 kg	2.32 kg	Luminary part 1.1 kg Ballast part 2.4 kg
No handle	✓	✓	✓	✓	✓
Top handle	✓	✓	✓	✓	✓
Pistol handle	✓	✓	✓	✓	✓
Battery	✓			✓	✓
Mains	✓	✓	✓		
Spotlight Intensity *	45 000 $\mu\text{W}/\text{cm}^2$ (35 W) 60 000 $\mu\text{W}/\text{cm}^2$ (50 W)	45 000 $\mu\text{W}/\text{cm}^2$	45 000 $\mu\text{W}/\text{cm}^2$	45 000 $\mu\text{W}/\text{cm}^2$	45 000 $\mu\text{W}/\text{cm}^2$
Midlight Intensity *	12 000 $\mu\text{W}/\text{cm}^2$ (35 W) 17 000 $\mu\text{W}/\text{cm}^2$ (50 W)	12 000 $\mu\text{W}/\text{cm}^2$	12 000 $\mu\text{W}/\text{cm}^2$	12 000 $\mu\text{W}/\text{cm}^2$	12 000 $\mu\text{W}/\text{cm}^2$
Floodlight Intensity *	4 000 $\mu\text{W}/\text{cm}^2$ (35 W) 5 800 $\mu\text{W}/\text{cm}^2$ (50 W)	4 000 $\mu\text{W}/\text{cm}^2$	4 000 $\mu\text{W}/\text{cm}^2$	4 000 $\mu\text{W}/\text{cm}^2$	4 000 $\mu\text{W}/\text{cm}^2$
Spotlight beam >1 200 $\mu\text{W}/\text{cm}^2$ *	Ø 125 mm (35 W) Ø 140 mm (50 W)	Ø 125 mm	Ø 125 mm	Ø 125 mm	Ø 125 mm
Midlight beam >1 200 $\mu\text{W}/\text{cm}^2$ *	Ø 200 mm (35 W) Ø 230 mm (50 W)	Ø 200 mm	Ø 200 mm	Ø 200 mm	Ø 200 mm
Floodlight beam >1 200 $\mu\text{W}/\text{cm}^2$ *	Ø 250 mm (35 W) Ø 290 mm (50 W)	Ø 250 mm	Ø 250 mm	Ø 250 mm	Ø 250 mm
100 V – 230 V	✓	✓	✓	✓	✓
Available as kit	✓	✓	✓	✓	✓

\* At a distance of 38 cm (15 inches)