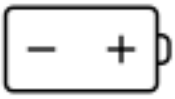
Improvements of Apollo 3.0 and advantages over other meters

HIGHER IP CLASS FOR ENCLOSURE

The sensor unit of Apollo 3.0 is IP67 classified, compared to Apollo 2.0 that is IP40. Therefore, the unit is dustproof and waterproof.



BATTERIES ACCESSIBLE FROM THE OUTSIDE

The batteries are accessible from the outside in the new enclosure. Therefore, the unit does not have to be opened or re-calibrated when changing batteries.

NO LITHIUM BATTERIES

The Apollo 3.0 sensor is operated using three Alkaline batteries (3 x AAA 1.5 volt). The new batteries do not require Dangerous Goods Management (DGS) and the meter is therefore easier to ship with air freight.

GENERAL FATIGUE DRIFT

The fatigue is close to non-existing. The readings drop by 0.1% after 30 minutes irradiation with 50 000 µW/cm².

WIRELESS

The reader unit and the sensor unit are completely wireless and communicate with one another up to 5 meters (16 feet). No loose connections, cut or worn-out cables from penetrants.

US AIRFORCE APPROVAL

The Apollo 3.0 has been approved for use by the United States Airforce.

ISO 17025 LAB

The meter comes calibrated by Labino AB, an ISO 17025 calibration lab with scope in UV and white light calibrations. SWEDAC accreditation Number 10391.

ZERO DRIFT IN EXTREME TEMPERATURES

Apollo 3.0 has close to no temperature drift within the operating temperature range. Performing UV measurements at 0°C or 40°C shows the exact same readings. (convert Farehnheit)

Quadruple your warranty period by using Labino authorized calibration labs

Americas: Berg Engineering, Chicago, Illinois –
Tel: 847 577 3980
email: info@BergEng.com

Apollo 3.0 (Single Kit PN: M513, ble kit PN: M514)

COMPLIES WITH ISO 3059-12 Standard

1 year warranty – extends to 4 years if recalibrations are carried only by authorized Labino calibration labs

Radiometer/photometer measuring UV and visible light via a wireless sensor. Apollo 3.0 is traceable to NIST (National Institute of Standards and Technology) and is in compliance with ISO 3059-12. We calibrate Apollo 3.0 in accordance to ISO / IEO 17025. Our accreditation has been certified by SWEDAC and carries the accreditation number 10391. Our Apollo 3.0 dual meter calibration services are now offered in Chicago (USA), Houston (USA), Edmonton (Canada), Stockholm (Sweden), Bilbao (Spain), St. Etienne de Tulmont (France) and U.K. All authorized calibration centers follow a specific process proprietary to Labino, all have the same equipment, and all receive the same training.

WIRELESS SENSOR
Measures up to a distance of 5 meters (16 feet) from the Reader unit.

RED OLED SCREEN
Red OLED screen for easy readings in a dark environment and a peak function to identify the highest reading.

BATTERY POWERED
Reader unit is powered by three "AA" batteries and the sensor unit is powered by three "AAA" batteries – both can be replaced by the user.

An instrument for accurate measurement of UV-A irradiation and visible illuminance. 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 containing only non-fluorescent materials. The instrument provides fast measurement as it offers auto ranging and concurrent measuring of visible light and UV-A irradiation. It is ergonomic and easy to use due to its light weight chassis, wireless sensor unit and compact size. Apollo 3.0 is traceable to NIST (USA's National Institute of Standards and Technology).

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. Each sensor unit incorporates both the UV and white light sensor.

Apollo 3.0 comes as a single kit or as a double kit. The single kit includes one reader unit and one wireless sensor unit. A double kit includes one reader unit and two wireless sensor units. As only the sensor needs to be send for recalibration, the double kit is a convenient tool so that operations are never disrupted. Please note that Aerospace companies that are audited by Nadcap must send in both the reader and the sensor for recalibration.

The meter features hold and peak functions. The "Hold" function stores the present value measured and the "Peak" button stores the highest value measured.

APOLLO 3.0 SINGLE KIT PACKAGE INCLUDES:
Reader unit, Sensor unit, Calibration certificate, Carrying case.

APOLLO 3.0 DOUBLE KIT PACKAGE INCLUDES:
Reader unit, two sensor units, Calibration certificate, Carrying case.

SPECTRAL SPECIFICATION APOLLO 3.0

	UV Light Sensor
Spectral Sensitivity:	320 nm to 400 nm
Operation Range:	0 to 50,000 µW/cm^2
Accuracy:	UV Light: +/- 4 %
	White Light Sensor
Spectral Sensitivity:	400 nm to 700 nm
Operation Range:	0 to 10 000 Lux (930 fc)
Accuracy:	Visible Light: +/- 3 %

Accessories for Apollo 3.0

	Apollo 3.0
Olympos measurement stand (PN: A542)	

Olympos (PN: A542)

Measure the UV-A and white light output of any of your Labino UV-A LED lights with accuracy at 15 inches (38 cm) and stay in compliance with the pledged standards.

PLATES CAN BE USED INTERCHANGEABLY
Different size plates can be used interchangeably on the Olympos stand to measure any Labino UV-A light you have. Fox example, all BB 2.0 Series lights can make use of the same large size plate.

ADJUSTABLE SCALE
The plates that accommodate the lights can be adjusted up or down along the 20 inch / 50 cm line.

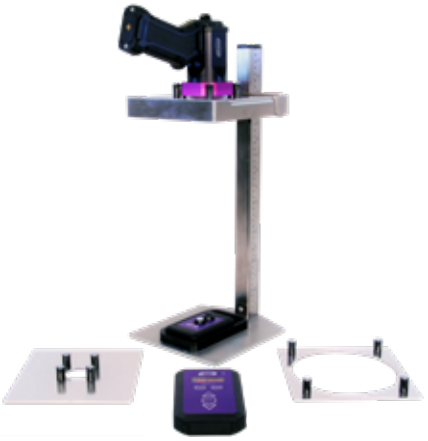
APOLLO 3.0 READER UNIT
The wireless feature allows accurate readings of the UV intensity, preventing accidental movements from connecting cables. Apollo 3.0 can provide readings from a distance of 5 meters (16 feet).

APOLLO 3.0 SENSOR UNIT
Apollo 3.0 compact wireless sensor can be placed at a fixed position on the Olympos stand, providing accurate UV readings for all handheld Labino UV lights.

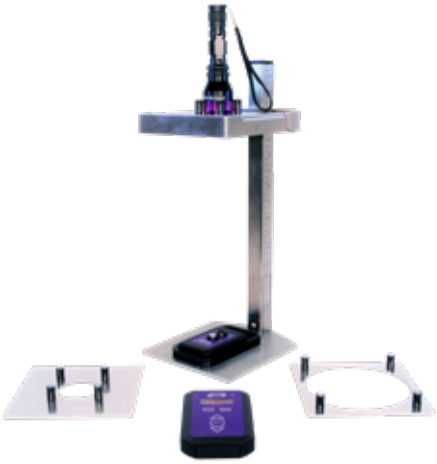
Over the last 5 years, the NDT industry has adopted new standards for LED blacklights, authored by ASTM (i.e. ASTM E3022-18) and the PRIMES (i.e. Rolls-Royce RRES 90061, Airbus AITM6-1001), to ensure that the properties and quality of the UV lights used are suitable for NDT inspections. Labino has UV lights in its product portfolio that are tested to comply with all relevant ASTM, ISO and PRIMES requirements. These requirements as well as the various checklists of NDT Technicians, such as NADCAP compliant technicians, require frequent tests and measurements of the UV lights at a distance of 15 inches (38 cm).

Labino is proud to introduce to the market, Olympos, the first measurement stand for UV lights, especially designed to conduct such measurements and help NDT professionals to remain in compliance with the pledged standards.

Olympos measurement stand comes with four different size plates that can be used interchangeably on the stand. This enables all Labino LED blacklights (UVG3 2.0 Series, MB 3.0 Series, BB 2.0 Series) to be measured from the same distance using the Labino Apollo 3.0 UV and White light meter or any other meter.

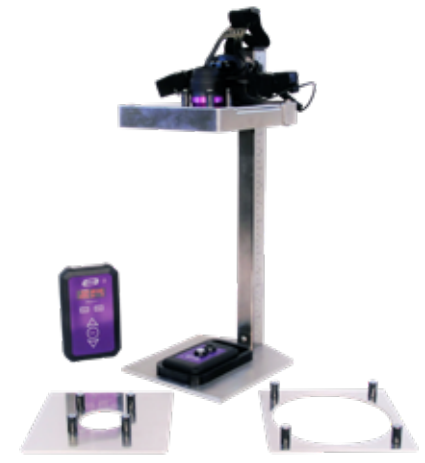


MEASURING MB 3.0 SERIES UV-A INTENSITY WITH OLYMPOS
Hercules, Zeus, Hermes, Selene and Atlas can all be measured using the same medium size plate.



MEASURING UVG3 UV INTENSITY WITH OLYMPOS
The UVG3 2.0 Spotlight, UVG3 2.0 Midlight and UVG3 2.0 Floodlight can all be measured using the same small size plate.

THREE DIFFERENT SIZE PLATES THAT FIT ALL LABINO HANDHELD LIGHTS
Olympos measurement stand comes with four different size plates that can be used interchangeably on the stand. This enables all Labino handheld LED blacklights (UVG 2.0 Series, MB 3.0 Series, BB 2.0 Series) to be measured with accuracy. The large plate is used to measure BB 2.0 Series lights, the medium plate is used to measure MB 3.0 Series lights and the small plate is used for all UVG 2.0 Series lights.



MEASURING UVG5 UV INTENSITY WITH OLYMPOS
The UVG5 2.o Spotlight, UVG5 2.0 Midlight and UVG5 2.0 Floodlight can all be measured using the same small size plate.