

LIGHT METERS

APOLLO SERIES



Apollo 3.0 is an instrument for precise measurements of UV-A irradiation and illuminance. Extra engineering effort is taken to make an accurate measurement of visible light emission from an UV-A lamp by incorporating a superior bandpass filter containing only non-fluorescent components. The instrument provides fast measurements as it offers autoranging and concurrent measuring of visible light and UV-A irradiation. It is ergonomic and easy to use due to its lightweight chassis, a wireless sensor unit and its compact size. Apollo 3.0 is traceable to NIST (USA's National Institute of Standards and Technology) and complies with ISO 3059. For Apollo blue, the UV-A sensor is replaced by a blue light sensor which is in compliance with CEN/TR 16638.

Apollo 3.1 adds the possibility to measure luminance in cd/m^2 or fL using a specially designed tube. The application range is focused on extensive illumination fields such as screens for radiographic testing. Any Apollo meter can be upgraded to measure luminance by purchasing an upgrade package, including calibration at Labino.

Calibration

The recommended calibration interval is six months. Calibrations are performed by Labino or a Labino authorized calibration center. These centers can be found online at www.labino.com. Please note that Aerospace companies that are audited by Nadcap must send in both the reader and the sensor for calibration. Labino is an ISO 17025-accredited lab. The accreditation guarantees a documented calibration process including traceability of all calibrations and control of drift and uncertainties.

APOLLO

P/N M513: Apollo 3.0 Standard Kit

NSN: 6650-64-001-5195

P/N M514: Apollo 3.0 Double Kit (2 Sensors)

P/N M515: Apollo 3.0 Sensor only

P/N M521: Apollo 3.1 Standard Kit (1 Sensor & Luminance Tube)

P/N M522: Apollo 3.1 Double Kit (2 Sensors & Luminance Tube)

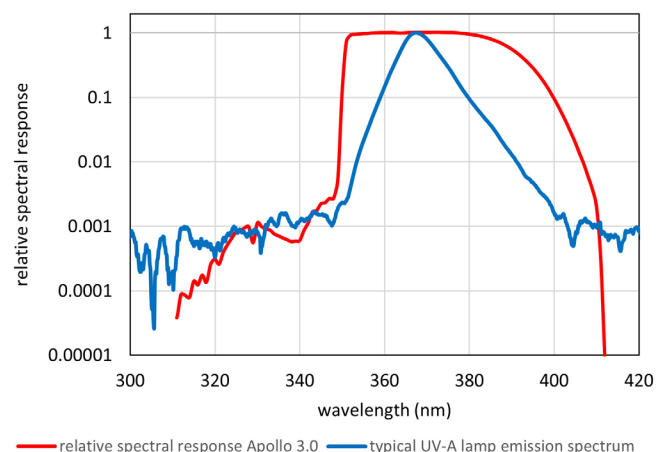
P/N M517: Apollo Blue Standard Kit

P/N M519: Apollo Blue 3.1 (1 Sensor & Luminance Tube)

P/N M523: Luminance Meter upgrade, including calibration



Relative spectral response of the Apollo 3.0 UV-radiometer





Luminance meter

The Apollo photometer can be used as a luminance meter for radiographic inspection by attaching a specially designed luminance tube. The tube comes with two support stands to allow easy scanning of a radiographic film. Existing Apollo meters of any version can be upgraded to be equipped with a luminance tube – please send in both the hand and the sensor unit for upgrading.

**Wireless connection –
no cables for ease of use!**

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 (16 feet). This feature ensures that the sensor unit is stable, and no movement occurs from connecting cables during measurement. Each sensor unit has both UV-A or blue light and white light sensors incorporated.



Alkaline batteries – easy to replace



Included in M513 Apollo 3.0 Standard Kit:

- 1 x Reader
- 1 x UV-A & White Light Sensor
- 1 x Carrying case



Included in M514 Apollo 3.0 Double Kit:

- 1 x Reader
- 2 x UV-A & White Light Sensor
- 1 x Carrying case



Included in M515 Apollo 3.0 sensor only:

- 1 x UV-A & White Light Sensor



Included in M521 Apollo 3.1 Standard Kit (UV & White & Luminance tube):

- 1 x Reader
- 1 x UV-A & White Light Sensor
- 1 x Luminance tube
- 2 x Luminance tube support stand
- 1 x Carrying case



Included in M517 Apollo Blue Standard Kit:

- 1 x Reader
- 1 x Blue & White Light Sensor
- 1 x Carrying case



Included in M519 Apollo Blue 3.1 (Blue & White & Luminance tube):

- 1 x Reader
- 1 x Blue & White Light Sensor
- 1 x Luminance tube
- 2 x Luminance tube support stand
- 1 x Carrying case