



# Apollo

## UV-C Dose Indicators

Ultra-Low Power, Place Anywhere



### It's all about the Dose

With all the variables involved in the efficacy of UV-C surface and air disinfection (UV-C lamp type, lamp power, distance to kill area, pathogen type, relative humidity and more), what matters most is dose or the total energy required to deactivate the pathogen. The Apollo UV-C Precision Indicator tells you just that, and it is coin-cell battery powered, compact, and rugged. Put it anywhere, especially in those hard-to-reach places.

Patent Pending



### Features and Benefits

- Easily confirm the dose (fluence) anywhere in the room
- Simple push button start/stop with percent dose indication means zero training
- Compatible with all UV-C source technologies (LPM, Far UV-C, Pulsed Xenon)
- TRU2UV™ proprietary optical filtering to ensure Solar and Visible blindness outside the UV-C pathogen deactivation spectrum
- Smart Sensors for Life® SFE technology means ultra low power *and* research-grade precision
- USB interface for Dose Target setting
- Serial interface available for microcontroller or PLC connection in permanent installations
- NIST traceable calibration available

### Applications

- UV-C robot dose verification in Healthcare, Education, Manufacturing and more
- Stationary source room configuration
- Moving source dose evaluation
- Source and reflector R&D and evaluation



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# The Apollo Line-Up

## Apollo Robot I



Our most popular *and least expensive* model for UV-C robot initial setup and ongoing verification. More accurate and more readable than a dose card and less expensive over time. Works with 254nm solutions and pulsed/flushed broadband solutions alike. Use as a 100 mJ/cm<sup>2</sup> dose indicator out-of-the-box or program the 100% dose target to your custom requirements.

## Apollo Robot II



Apollo Robot II stretches the Apollo Robot I spectral range into the Far UV-C, allowing for higher-power Far UV-C dose monitoring as well as broadband source monitoring that emits energy throughout the full UV-C spectrum.

## Apollo Sliver 254



In more technical applications, where you only want to see the dose resulting from the 254nm spectral line of your UV-C disinfection solution, Apollo Sliver 254 does just that. Underneath the TRU2UV UV-C filter technology, Sliver 254 adds a narrow-band 254nm bandpass filter.

## Apollo Far



Apollo Far adds extreme TRU2 UV-C filtering to monitor low-level Far UV-C excimer sources while filtering out bright visible, UVA, and UVB light that might be present from natural or artificial lighting.

## Optical Specifications<sup>1</sup>

Series →	Apollo Robot I	Apollo Robot II	Apollo Sliver 254	Apollo Far
Standard Model	UVC006-IND-066-0033	UVC002-IND-081-0300	254001-IND-001-0300	UVC005-IND-085-3400
Spectral Range (90% R)	223nm to 283nm	213nm to 280nm	238nm to 262nm	218nm to 270nm
Power Range <sup>2</sup>	5 μW/cm <sup>2</sup> – 100 mW/cm <sup>2</sup> @ 254nm	2 μW/cm <sup>2</sup> – 40 mW/cm <sup>2</sup> @ 254nm	20 μW/cm <sup>2</sup> – 400 mW/cm <sup>2</sup> @ 254nm	200nW/cm <sup>2</sup> – 8 mW/cm <sup>2</sup> @ 222nm
UVB Rejection	>94%	>97%	>99.9%	>99%
UVA Rejection	>99.9%	>99%	>99%	>99.9%
Visible Rejection	6 OD	3 OD	6 OD	6 OD

<sup>1</sup>Specifications subject to change. All specifications are typical and based on a combination of laboratory testing and component specifications.

<sup>2</sup>For high-volume orders, the power range can be factory-configured based on custom system requirements.

## Mechanical & Electrical Specifications<sup>1</sup>

Item	Specification
Size	2.3" (5.8cm) x 2.0" (5.1cm) x 1.4" (3.6cm)
Weight	3 ounces (85g)
Battery Type	2477 coin cell
Typical Battery Life <sup>2</sup>	18 months

<sup>1</sup>Specifications subject to change.

<sup>2</sup>Based on five 10 minute disinfection cycles per day

## Ordering Information

Item	Description
APOLLO-UVC006-IND-066-0033	Apollo Dose Indicator, UV-C, 5 μW/cm <sup>2</sup> – 100 mW/cm <sup>2</sup> (nominal) @ 254nm
APOLLO-UVC002-IND-081-0300	Apollo Dose Indicator, UV-C, 2 μW/cm <sup>2</sup> – 40 mW/cm <sup>2</sup> (nominal) @ 254nm
APOLLO-254001-IND-001-0300	Apollo Dose Indicator, 254nm, 20 μW/cm <sup>2</sup> – 400 mW/cm <sup>2</sup> (nominal) @ 254nm
APOLLO-UVC005-IND-085-3400-1	Apollo Dose Indicator, UV-C, 200 nW/cm <sup>2</sup> – 8 mW/cm <sup>2</sup> (nominal) @ 222nm
APOLLO-CBL-01	USB-A to Apollo Attachment Cable
APOLLO-CBL-02	RS232 to Apollo Sensor Cable
APOLLO-CBL-03	3.3V TTL to Apollo Sensor Cable (Reqs 3.3V DC)

**Easy-to-Use**  
**Research Grade**  
**Extremely Portable**



*Apollo Quad Pack*



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