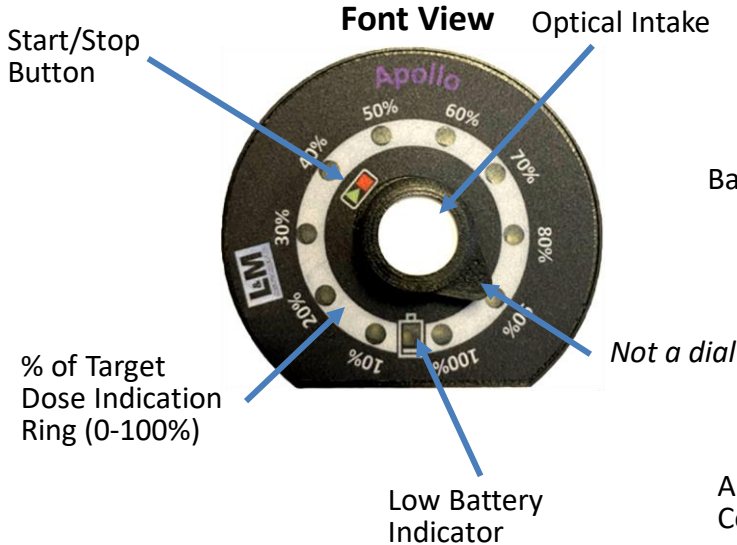


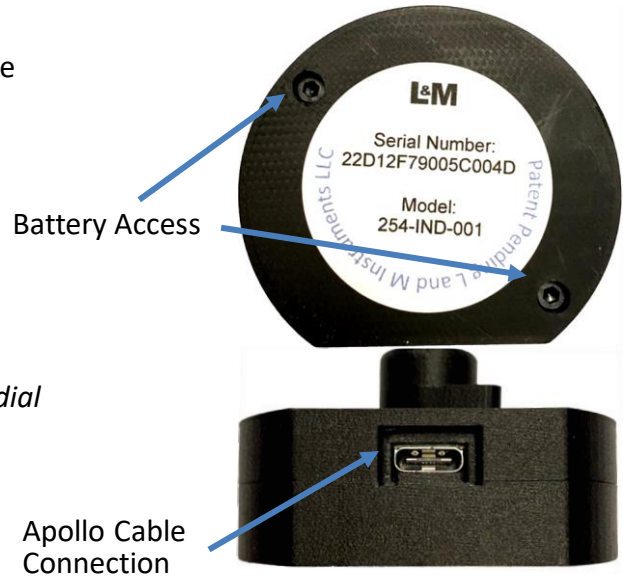
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Apollo Detail



Optical Intake cover not shown

Rear View



Bottom View

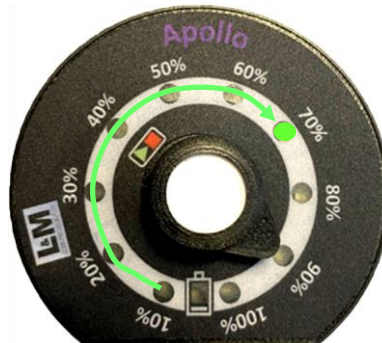
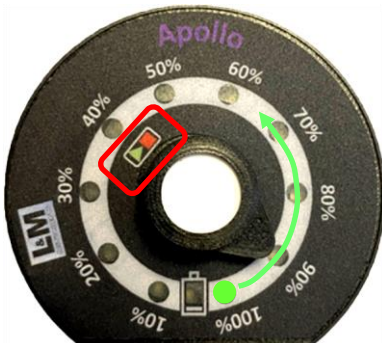


Dose Indicator

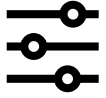
1) REMOVE COVER and start the measurement by pressing the Start/Stop button. Green LED's will "Count Down", counter-clockwise to the start.

2) The device will update the percentage of target dose every 4 seconds and "ring the bell" with two full LED revolutions upon 100% dose. A third revolution indicates detector saturation occurred.

3) Stop the measurement by pressing the Start/Stop button. The LED's will circle clockwise once to confirm the stop.



Note: To preserve battery life, the status indicator will automatically shut off either 15 minutes after 100% dose is reached and indicated or after 30 minutes (default) after the start of dose measurement, whichever is sooner.



Apollo Modes (Stand-Alone and Computer-Controlled)

Apollo can run in two modes as follows:

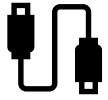
Stand-Alone Mode

In this mode, the unit is used without a PC as described in the Dose Indicator section above. When using this mode, the Start/Stop button is used to start and stop the dose accumulation and the Apollo LED's provide the dose feedback.

Computer-Controlled Mode

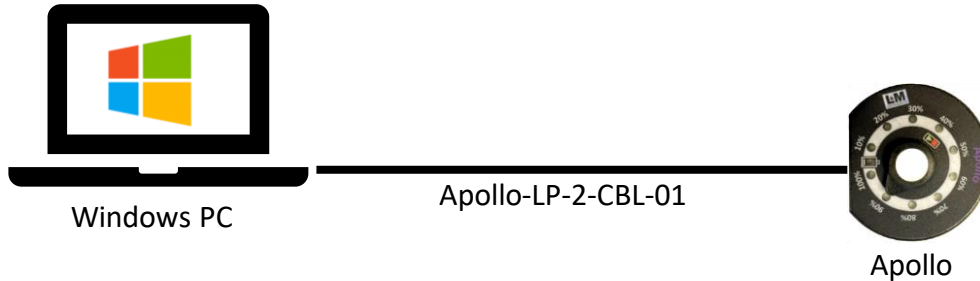
In this mode, a custom USB cable (APOLLO-LP-2-CBL-01) is used to connect Apollo to a Windows PC. In this mode, the Apollo device is controlled by the Apollo app running on the PC. The Apollo app will present one or more tabs, with each tab providing additional functionality as described below.

WARNING: When running in Computer-Controlled Mode, do not use the Start/Stop button on the Apollo device. In this mode, use the on-screen Apollo app controls to interact with the Apollo device.



Installing the Apollo App for Computer-Controlled Mode

1) Attach Apollo to a Windows PC, using the Apollo-LP-2-CBL-01 as indicated below. Note that the cable is reversible at the Apollo end.

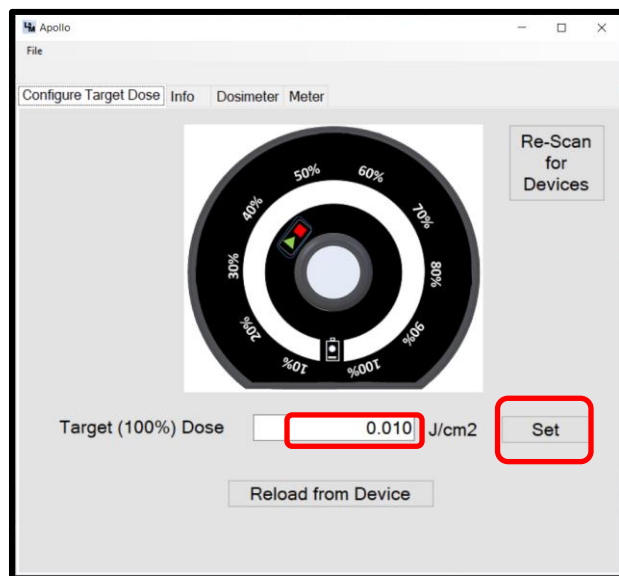


2) Download the Apollo app from the Apollo Downloads tab found here:
[Support | \(landminstruments.com\)](https://landminstruments.com/support).

3) Install and run the Apollo app.

Setting the Target (100%) Dose

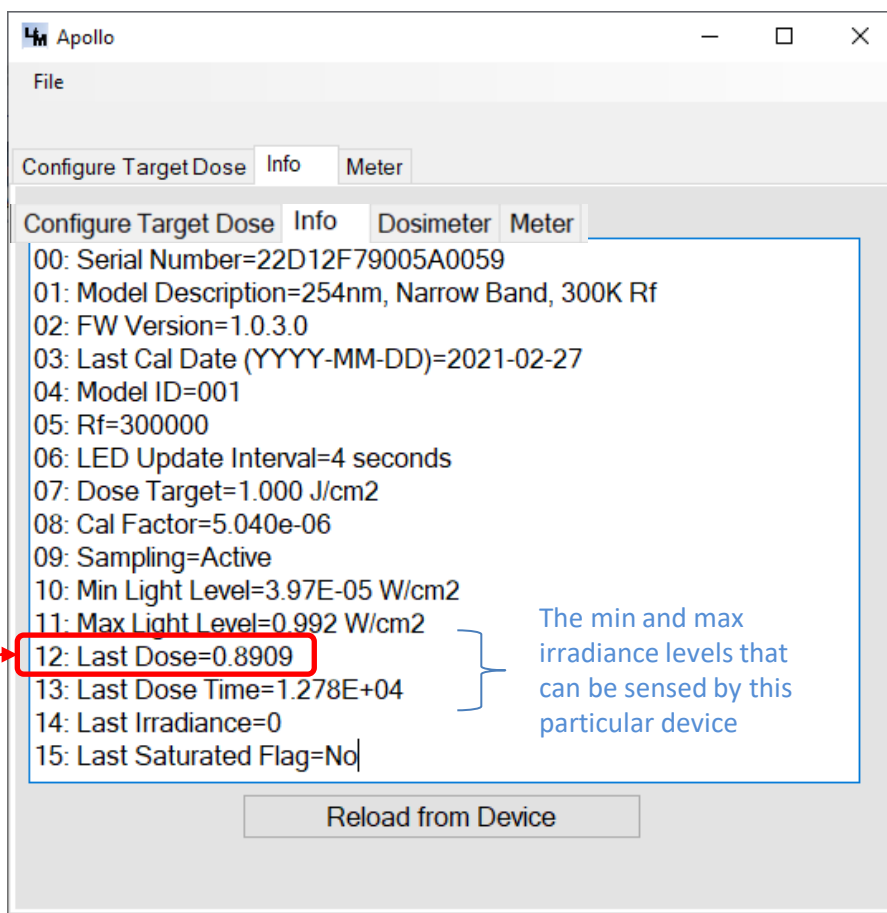
1) Enter the target dose in the “Target (100%) Dose” field and click the “Set” button. An information bar at the top of the app will show progress. To configure another Apollo device, simply connect it and repeat this step.



2) Close the Apollo app and use the unit without a PC as described in the Dose Indicator section above.

The “Info” Tab

1) Your Apollo application may present an “Info” tab. This lists information about this specific Apollo device as well as configuration information. An example is provided below.

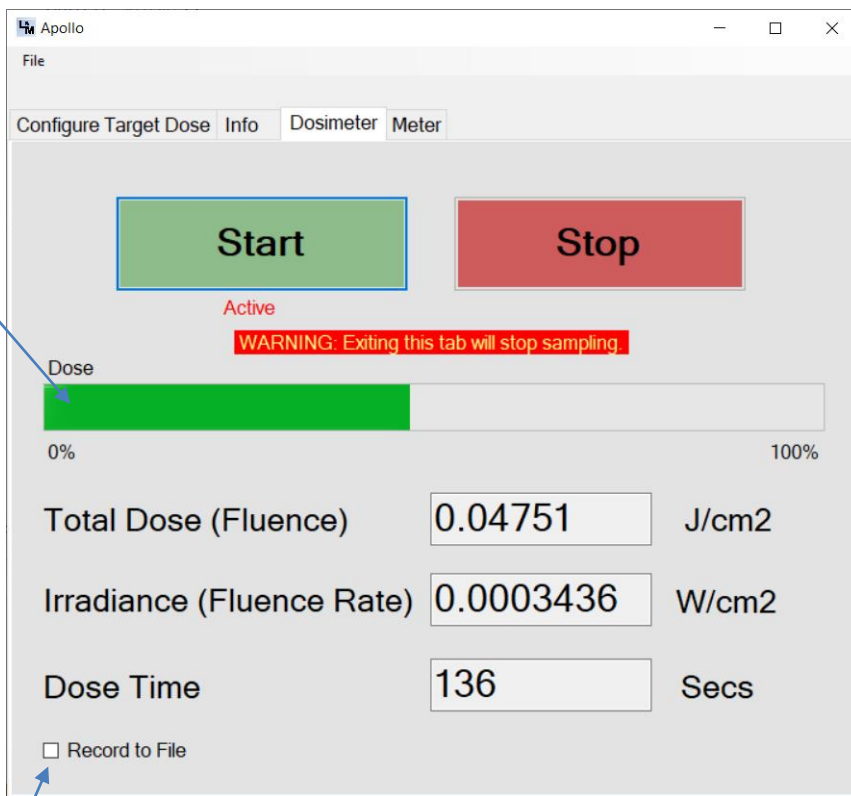


Key Feature: The Info tab can be used to read the most recently completed dose (units are in J/cm²). This allows a higher level of precision beyond the 0-100% displayed on the device’s LEDs. Typical precision dose process: (1) ensure the unit is programmed with Target (100%) Dose above the dose being collected; (2) with Apollo disconnected from the computer press the Start/Stop button; (3) place Apollo in the area of interest for dose collection; (4) press the Start/Stop button when dose is complete; (5) attach to the computer and, from the Info tab, select “Reload from Device” and note the “Last Dose” value.

The “Dosimeter” Tab

1) Your Apollo application may present a “Dosimeter” tab. This tab can be used to monitor and record both the dose and irradiance over time and mimics the device dosimeter usage without a computer. While the Apollo device is sampling the light at several kilohertz, the Meter tab will request an update on all presented data, from the device, at an interval of approximately 5 seconds.

WARNING: Do not use the Start/Stop button on the Apollo device when using this feature. Use the on-screen Apollo app controls to interact with the Apollo device.



Status bar
% of Target Dose

Start/Stop Recording to File

(CSV formatted data is stored at MyDocuments\L and M Instruments\Reports)

The “Meter” Tab

1) Your Apollo application may present a “Meter” tab. This tab can be used to monitor, chart and record both the dose and irradiance over time.

WARNING: Do not use the Start/Stop button on the Apollo device when using this feature. Use the on-screen Apollo app controls to interact with the Apollo device.



Display and Graphing options, including Record to File
(CSV formatted data is stored at MyDocuments\L and M Instruments\Reports)

Key Feature: This chart will run continuously, regardless of accumulated dose or dose time.