Daily Light Integral and Photoperiod Meters

DLI-400, DLI-500, & DLI-600

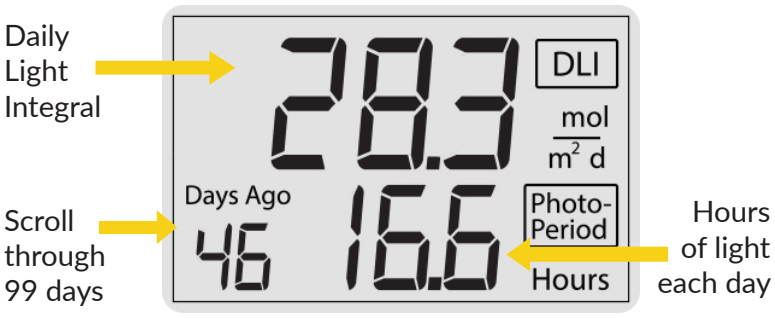
Apogee's new Daily Light Integral and Photoperiod meters are an elegant and accurate solution for measuring Daily Light Integral (DLI) and Photoperiod for up to 99 days.

DLI-400: Sunlight Only
PAR 400-700 nm

DLI-500: Full-Spectrum
PAR 400-700 nm

DLI-600: ePAR
ePAR 400-750 nm

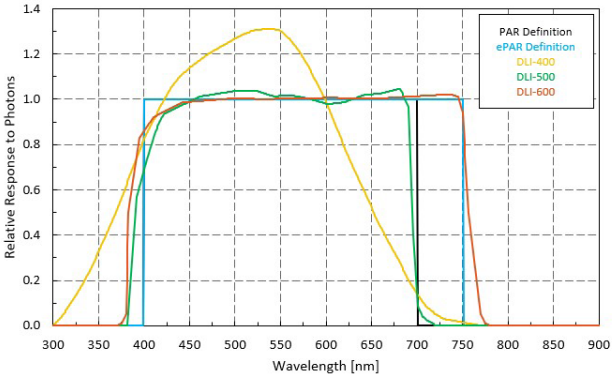
Stored Data Screen



Instantaneous Data Screen

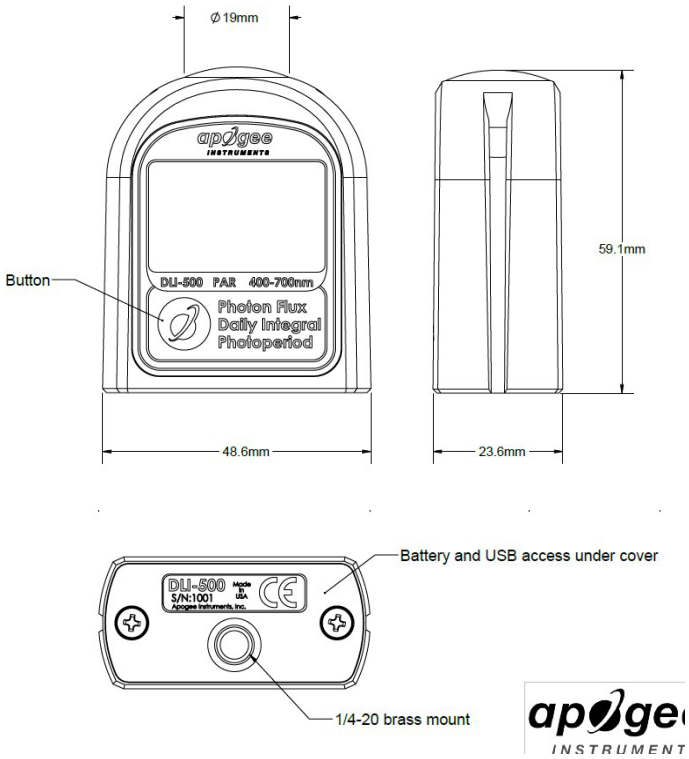
Features

- Live photosynthetically active radiation (PAR) or extended PAR (ePAR) measurements
- Logs and displays 99 days of:
  - Daily Light Integral (DLI)
  - Photoperiod to 0.1 hours
- View data onscreen or download via USB-C port
- ¼-20 threaded mounting port for use with common camera tripods, etc
- Rugged and splashproof
- Scientific-grade accuracy



The DLI meters have a spectral range of 400 to 700 nm PAR (DLI-400 and DLI-500) and 400 to 750 nm ePAR (DLI-600). The spectral responses of DLI-400 (yellow), DLI-500 (green), and DLI-600 (orange) can be seen in the graph above.

Dimensions



Product Specifications

	DLI-400	DLI-500	DLI-600
Calibration Uncertainty	± 5 %		
Measurement Repeatability	Less than 0.5 %		
Measurement Range	0 to 4000 µmol m^{-2} s^{-1}		
Long-term Drift	Less than 2 % per year		
Field of View	180°		
Spectral Measurement Range (± 5 nm)	370 to 650 nm (sunlight only)	389 to 692 nm	383 to 757 nm
Directional (Cosine) Response	± 5 % at 75° zenith angle		
Temperature Response	-0.04 % per C	-0.11 ± 0.04 % per C	
Response Time	2.5 seconds		
Data Log Capacity	99 days (DLI & Photoperiod), 10 days (30 min PPFD/ePPFD averages)		
Non-linearity	Less than 1 % (up to 4000 µmol m^{-2} s^{-1})		
Stored Data Resolution (PPFD)	0.1 µmol m^{-2} s^{-1} (when ≥ 1000, the screen will not display the decimal)		
Stored Data Resolution (DLI)	0.1 mol m^{-2} day^{-1}		
Stored Data Resolution (Photoperiod)	0.1 hours		
Operating Environment	-10 to 60 C; 0 to 100 % relative humidity	-40 to 70 C; 0 to 100 % relative humidity	
Dimensions	1.91 W x 2.31 H x 0.93 D (inches)		
Mass	67 g		
Warranty	4 years against defects in materials and workmanship		

Rev: 31-Jan-2022