

PAR, Daily Light Integral, and Photoperiod Meters

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

New for 2022, Apogee DLI meters are a rugged, simple-to-use device for spot checking PAR or ePAR levels while automatically recording the daily light integral and hours of light (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

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 on-screen or download via USB-C port
- ¼-20 threaded mounting socket for use with common camera tripods, etc
- Rugged and splashproof
- Scientific-grade accuracy

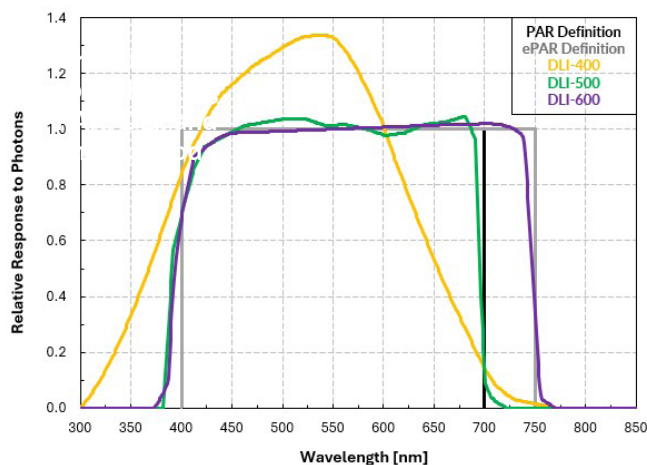
Stored Data Screen



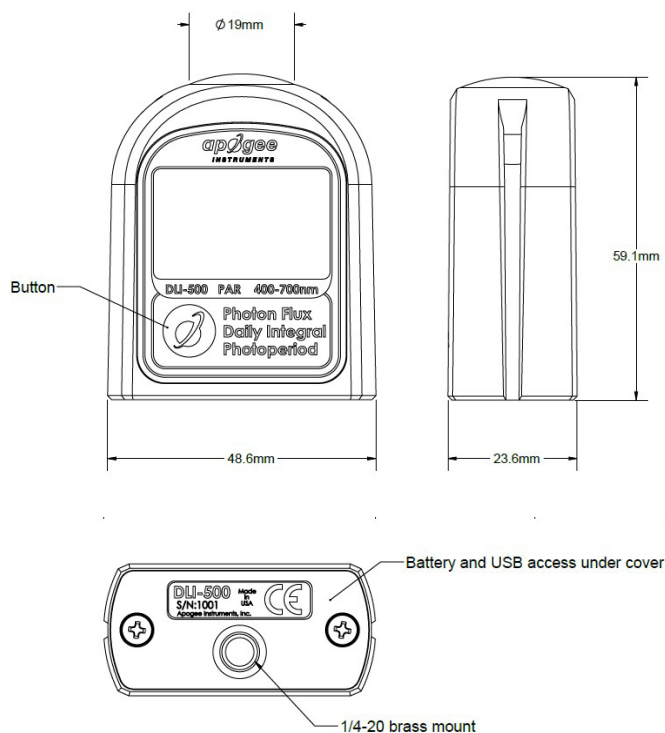
Instantaneous Data Screen



Great for spot checking
PAR/ePAR levels
and tracking DLI and
photoperiod



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 (purple) can be seen in the graph above.



DLI-400



DLI-500



DLI-600



Product Specifications

	DLI-400	DLI-500	DLI-600
Calibration Uncertainty	± 5 %		
Measurement Repeatability	Less than 0.5 %		
Display 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	394 to 747 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 2500 μmol m ⁻² s ⁻¹)	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	
IP Rating	IP65		
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		