

## 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

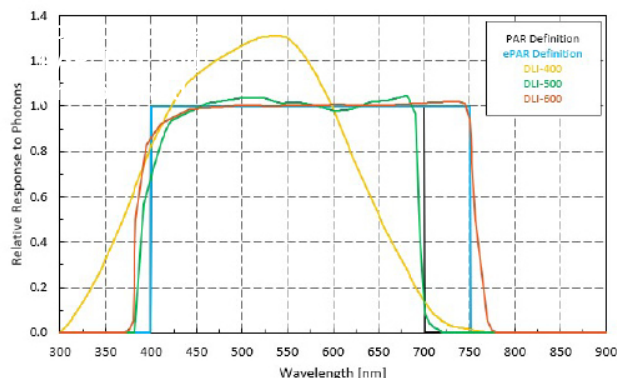
### Stored Data Screen



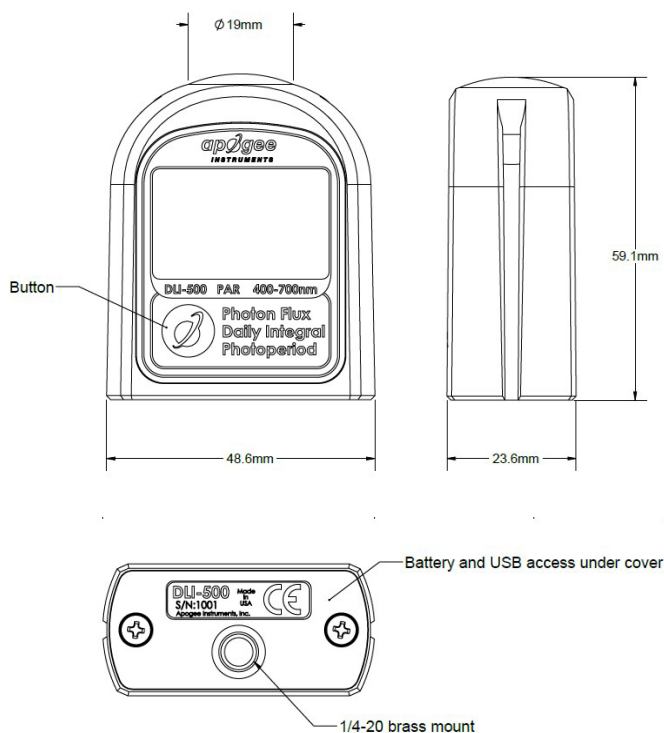
### Instantaneous Data Screen



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 (orange) can be seen in the graph above.



## Product Specifications

	DLI-400	DLI-500	DLI-600
Calibration Uncertainty		± 5 %	
Measurement Repeatability		Less than 0.5 %	
Display Range		0 to 4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$	
Long-term Drift		Less than 2 % per year	
Field of View		180°	
Spectral Measurement Range ( $\pm 5 \text{ nm}$ )	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 2500 $\mu\text{mol m}^{-2} \text{s}^{-1}$ )	Less than 1 % (up to 4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ )	
Stored Data Resolution (PPFD)		0.1 $\mu\text{mol m}^{-2} \text{s}^{-1}$ (when $\geq 1000$ , the screen will not display the decimal)	
Stored Data Resolution (DLI)		0.1 $\text{mol m}^{-2} \text{day}^{-1}$	
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	