

Detachable full-spectrum PAR meter 8583



8583

- Stable measurement of photosynthetically active radiation (PAR, PPFD Photosynthetic Photon Flux Density)
- High accuracy PAR measurement for 400 to 700nm under all light sources, including LEDs
- Provided with 2 high quality RJ11 ethernet cable:
 - *12 ft straight cable for extended stick and
 - *4.9 ft coil cable for handheld



HOLD



Manual Logging



Memory Recall



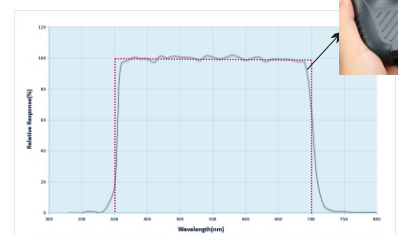
Low Battery



Auto Power Off



Tripod Hole



Package completed with 1 meter long selfie stick to reach wide distance, height and angle



Detachable RJ11 cable



Ordering Code

VZ8583AZ, detachable PAR meter
VZ8583PAZ, PAR sensor with coil cable and straight cable

Model	8583
Spectral Range	400±10nm ~ 700±10nm
Measurement Range	0~4000µmol/m ² /sec
Display resolution	0.1µmol/m ² /sec for 0~999 , 1µmol/m ² /sec for 1000~4000
Accuracy	±5 or ± 5% of reading, whichever is greater
Repeatability & Non-linearity	±1 µmol/m ² /sec Less than 3 % (up to 4000 µmol/m ² /sec)
Long-term Drift per Year	Less than 2 % per year
LCD update time	0.5 second
Field of View	180°
Directional (Cosine) Response	± 5 % at 75° zenith angle
Calibration Uncertainty	±5%
Temperature Response	±0.02%/per °C
ZERO function	YES
RESET function	YES
LCD size	25(H)x40(W)mm
Operating temp.	0~50°C
Operating RH%	Humidity<80%
Storage temp.	-10~50°C
Storage RH%	Humidity < 90%, no condensation
Dimension	Meter: 115(L)x60(W)x24(H)mm PAR sensor: 80(L)x45.6(W)x26(H) mm
Cable	12 ft straight RJ11 cable , 4.9 ft coiled Rj11 cable
Selfie stick	22 cm storage , 100cm extended
Weight	~115g (w/o battery and cable)
Power Supply/Consumption	AAA battery x 2pcs, less than 10mA
Standard Package	Meter/PAR sensor/Straight cable/Coiled cable/ Selfie stick/Battery/Manual/Hard carry case

