

**UPRtek**



# PG100N Handheld Spectral PAR Meter

Test by NIST



**GENEVA SCIENTIFIC**  
LAB EQUIPMENT SOLUTIONS



# Grasp the secret of photosynthesis

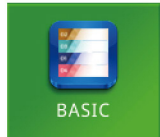
## PG100N Handheld Spectral PAR Meter



### Features

#### Basic Mode

Up to 40 lighting measurement parameters  
Customized Top 4 list per your own preference.



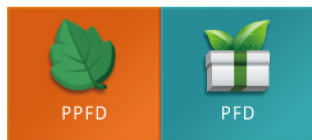
BASIC	
CCT	8188 K
PPFD	58.7
LUX	1320
$\lambda_p$	503 nm

LUX	fc	CCT
Duv	$\lambda_pV$	x
y	u'	v'
$\Delta x$	$\Delta y$	$\Delta u'$
$\Delta v'$	$\lambda_p$	$\lambda_pV$
$\lambda_d$	Purity	IRR
CRI	R1	R2

R3	R4	R5
R6	R7	R8
R9	R10	R11
R12	R13	R14
R15	PPFD	PFD
PFD-UV	PFD-B	PFD-G
PFD-R	PFD-FR	

#### PPFD & PFD

Adjust the light quality timely which increases the plant growth through the technical parameters.

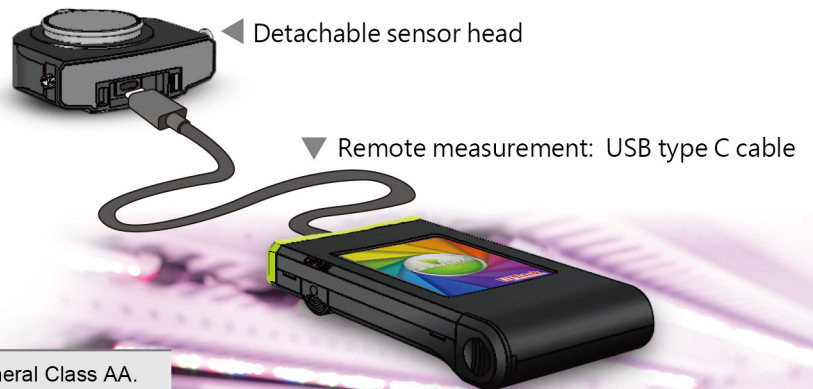


PPFD	
PPFD	11.59
PFD-R	3.03
PFD-G	5.68
PFD-B	2.87

PFD	
PFD	11.59
PFD-UV	3.03
PFD-FR	5.68

#### Measurement Function

Awareness of the light source is possible despite distance and space which significantly improves measuring efficiency and flexibility.



#### Specifications

Illuminance meter class	Conforms to JIS C 1609-1:2006 for General Class AA. Conforms to DIN 5032 Part 7 Class B.
Spectral Bandwidth	12 nm max
Wavelength Range	380~780 nm
Measurement Range	1. 70 ~ 150,000 lx 2. 0.5~1,000 W/m <sup>2</sup> (Irradiance) 3. 1~3,000 $\mu\text{mol}/\text{m}^2\cdot\text{s}$ (PPFD)
Integration Time Range	2ms ~ 1,000 ms
Dimensions	200 x 77.7 x 26.16 mm (H x W x D)
Weight	276 g $\pm$ 20 g
Display languages	English/ Traditional Chinese/ Simplified Chinese/ Japanese/ German

Geneva Scientific LLC  
P.O. Box 408  
Fontana, WI 53125

Toll Free: 877-436-3827  
Fax: 262-245-6678  
Email: [Sales@Geneva-Scientific.com](mailto:Sales@Geneva-Scientific.com)