

PS-3701

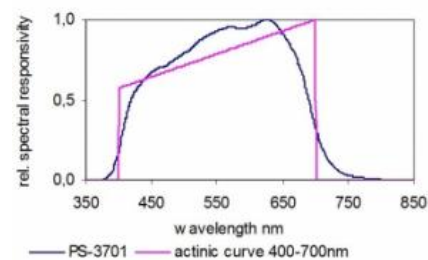
<http://www.gigahertz-optik.de/en-us/product/PS-3701>

Product tags:



Description

The PS-3701 detector is designed for direct evaluation of Photosynthetic Active Radiation in the 400 to 700 nm wavelength range. This detector can also be made water proof with an optional dome cover.



Traceable Calibration


Calibration of the detector responsivity is performed by the Gigahertz-Optik GmbH calibration laboratory for optical radiation measurements quantities. As with all light detectors supplied by Gigahertz-Optik calibration of absolute detector responsivity as well as detector individual measured relative spectral responsivity data is included.


PS-3701 Typical Spectral Response

Specifications

Specification	
spectral responsivity	PAR Actinic 400 nm - 700 nm
typical responsivity	100 nA/($\mu\text{Mol}\cdot\text{m}^2\cdot\text{s}$)
Max. signal current	1 mA
Size input optic	15 mm \varnothing Diffuser
temperature range	(5 - 40) °C
Cable Length	2 m
Plug Types	-1,-2,-4
min. signal current	depends on optometer

Configurable with

Produktname	Product Image	Description	Show product
P-9710		High-quality device for measurement of CW-, single pulse and modulated radiation. Features: Optometer for all detector heads with calibration data plug. Measurement modes: CW, pulse energy, dose, peak-to-peak, effective luminous intensity (Blondel-Rey), data logger, battery, main power, RS232	http://www.gigahertz-optik.de/en-us/product/P-9710

Produktname	Product Image	Description	Show product
X1		<p>Four-channel USB optometer designed for mobile use.</p> <p>Features: Compact device for use with all photometric, radiometric, colorimetric, plant-physiologic and photo-biologic measurement heads from Gigahertz-Optik. USB interface. Battery operation or power supply USB.</p>	http://www.gigahertz-optik.de/en-us/product/X1

Purchasing information

Article-Nr	Modell	Description
Product		
15296575	PS-3701 (-1 Connector)	Detector, Calibration Certificate
15297031	PS-3701 (-2 Connector)	Detector, Calibration Certificate
15297032	PS-3701 (-4 Connector)	Detector, Calibration Certificate
Calibration		
15300577	K-FOV	Calibration of cosine field of view function
Re-calibration		
15300571	K-UV-SR	Calibration of relative spectral responsivity from 250 nm to 550nm
15300214	K-PS3701-I	recalibration with calibration certificate
Options		
15295379	/WQ	Waterproof option for PS-37 detectors. Quartz dome for UV-VIS-NIR spectral range. Sealed bottom plate