



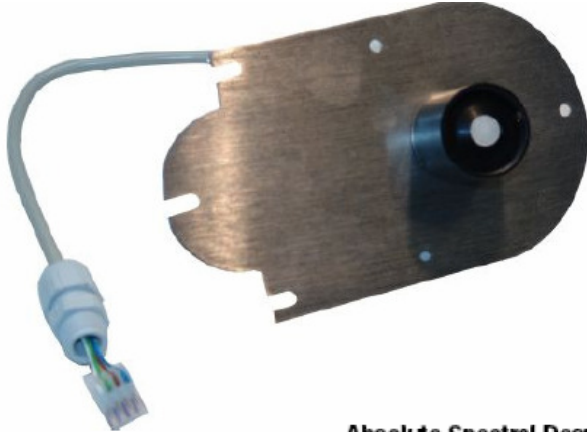
# PESSL INSTRUMENTS GES.M.B.H.

Werksweg 107, A-8160 WEIZ, AUSTRIA

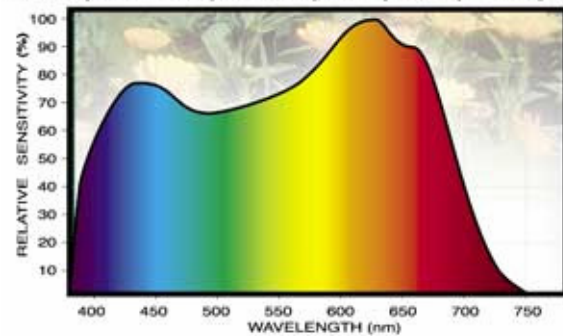
Tel.: +(43) 3172 5521, Fax +(43) 3172 5521 23

E-Mail: metos@metos.at , Webpage: <http://www.metos.at>

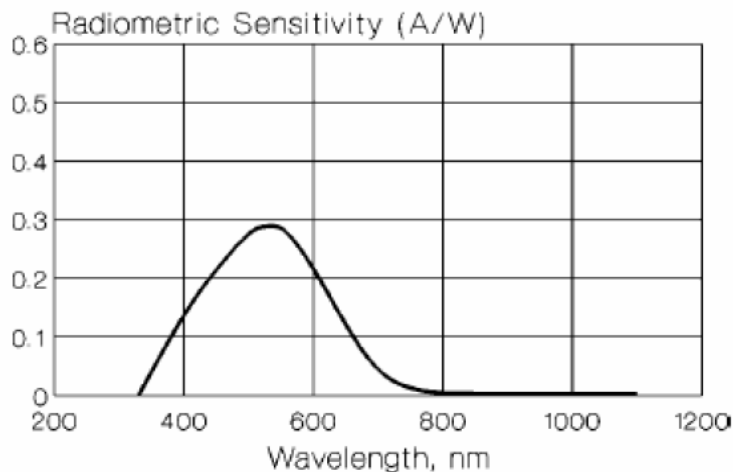
SENSOR	<b>PAR Quantum SENSOR</b>
Part.No.	<b>MD507D, MD5071D, MD5079D</b>



Photosynthetic Response Réponse photosynthétique



Absolute Spectral Response "B" Series (Filtered)



PARAMETERS	
Sensor	EG&G VACTEC VTB1012B
Calibration	Kalibrierung against LI-190SZ under daylight Absolute difference max. 5%, typical 3%
Linearity	Maximum deviation of 1% up to 3000 W m <sup>-2</sup>
Stability	2% change over a 1 year period
Response Time	150 ms
Temp. Dependence	0.15% per C
Cosine correction	Cosine corrected up to 80 degree of incidence
Azimuth	1% error over 360 degree at 45 degree elevation
Operating specs.	-20 to 65 C, 0 -100 % rel H.
Sensor housing	Weatherproof PVC case with acrylic diffuser stainless steel hardware
Size and Weight	3.5 Dia.x 3.5 cm 15g
Evaluation	PWM: 0 - 80% duty cycle. = 0 – 20 kJ/m <sup>2</sup>