

Photosynthetically Active Radiation Sensor PAR 5.3

With the PAR-sensor the photochemical growth processes of outdoor- and greenhouse-plants can be optimized. The sensitivity corresponds to the optimal degree of effect of chlorophyll. The measuring results make it possible to assess reliably the developmental conditions of the plants.

Delivery includes calibration certificate.



Order No	Technical Data	
7.1418.00.040	Signal output	0 - 20 mA
.041		4 - 20 mA
.051		0 - 5 V
.061		0 - 10 V
	Measuring range	0...2255 $\mu\text{mol}/\text{m}^2\cdot\text{s}$ (0 - 500 W/m^2)
	Spectral range	0,38 - 0,7 μm
	Max. spectral sensitivity	0,42 and 0,6 μm
	Switch On time	< 1 s
	Switch Off time	< 12 s
	Cosine correction	error f2 < 3%
	Non-linearity	$\pm 5 \%$
	Absolute error	< 10 %
	Ambient temperature	- 30...+ 60°C
	Operating voltage	9...24V DC / < 21 mA
	Operating voltage for 0 - 10 V output	14...24V DC / < 1 mA
	Cable length	5 m
	Dimensions	$\varnothing 80 \times 95 \text{ mm}$
	Weight	0,3 kg