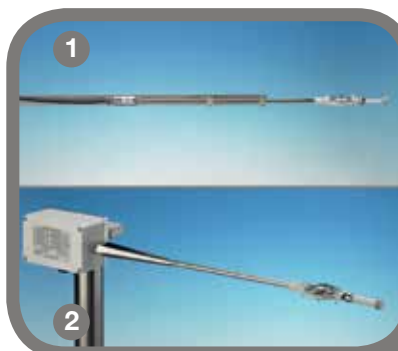


# Solar radiation (Net radiation: incoming and outgoing short-wave)

Technical features - MODELS



www.lsi-lastem.com



## Net radiometer

Net radiometers are sensors for measuring net radiation, i.e. the balance between the incoming sun and sky radiation and the ground-reflected short-wave and ground-emitted long-wave radiation. The primary sensitive element is a high sensitivity thermopile.

Order numb.	DPA240 (1)	DPA840 (2)
Output	$\mu\text{V/W/m}^2$	0/4÷20 mA
Power supply	-	10÷30 Vac/dc
Range	-1500÷1500 W/m <sup>2</sup>	-150÷1500 W/m <sup>2</sup>
Cable	L = 10 m	7 pin IP65 watertight connector
Installation (on $\varnothing$ 50 mm pole)	DYA031 bar + DYA049 collar	Collar DYA049
Data logger compatibility	M-Log (ELO007-008) R-Log (ELR515) E/X-Log (all models)	

### Common features

Pyranometer	<i>Principle</i>	Thermopile
	<i>Spectral range</i>	0,3÷50 $\mu\text{m}$
	<i>Uncertainty</i>	5% daily
General information	<i>Housing</i>	Plated brass and Aluminum
	<i>Recalibration</i>	Every 2 years

### Accessories

#### Order numb.

<b>DYA049</b>	Mast-mounting device for $\varnothing$ 45-65 mm pipe
<b>DYA031</b>	Arm for fixing For DPA240 only (required DYA051)
<b>DWA510</b>	Cable L = 10 m for DPA840
<b>DWA525</b>	Cable L = 25 m for DPA840
<b>DWA526</b>	Cable L = 50 m for DPA840
<b>DWA527</b>	Cable L = 100 m for DPA840
<b>MG2251</b>	7 pin free female connector
<b>DPA291</b>	Spare part: domes for net radiometer (n.5 couples)
<b>DPA293</b>	Spare part: salt cartridge



DPA240



DPA840

