



MS-60A Pyranometer

Technical Specifications

ISO 9060 First class

Compact and light weight

Industrial sensor outputs (4-20mA)

ISO 17025 certified calibration

Optional ventilator MV-01

The MS-60A is a MS-60 with a built in 4-20mA converter which is compatible to industrial output standards. The new double dome construction provides lower offsets and cosine errors. The MS-60A can be used with the optional MV-01 ventilator / heater.

The MS-60A pyranometers are manufactured in a consistent way followed by strict quality inspection and performance evaluation. EKO provides a unique calibration compliant to the international standards defined by ISO/IEC17025/9847. The sensor has a 5 years warranty with a 2 years re-calibration interval recommended and it is no longer necessary to change the desiccant.

	MS-60A
ISO 9060 classification	First Class
Output	Digital (4-20mA)
Response time 95%	< 18 Sec.
Zero Offset A 200W/m²	< 5 W/m ²
Zero Offset B 5K/hr	+/- 2 W/m ²
Non-stability change/1 year	+/- 1.5 %
Non-linearity at 1000W/m²	+/- 1 %
Directional response at 1000W/m²	< 18 W/m ²
Spectral selectivity 0.35-1.5µm	+/- 1 %
Temperature response -10°C to 40°C	< 3 %
Temperature response -20°C to 50°C	< 4 %
Tilt response at 1000W/m²	+/- 1 %
Sensitivity	-
Operating temperature range	-40 - 80 °C
Irradiance range	0 - 2000 W/m ²
Wavelength range	285 - 3000 nm
Power supply	12 - 24 VDC
Power consumption	0.08 - 0.5 W
Ingress protection IP	67
Cable length	10 m

Options	MS-60A
Cable length	20 / 30 / 50 m
Ventilation unit	MV-01

Specifications are subject to change without further notice.