

Pyranometer EKO MS-60

S64131



Pyranometer EKO MS-60

Order number	Availability
S64131	On request

ISO 9060 Spectrally flat Class A + IEC 17025 calibrated

Description

- ISO 9060 Spectrally flat Class B + IEC 17025 calibrated
- 5-year warranty
- MS-60 with analog voltage output.

The new double dome constructions provides lower offsets and cosine errors. The MS-60 can be used with the optional MV-01 ventilator / heater.

The MS-60 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.

Specifications

Pyranometer EKO MS-60

General Information

Order Number S64131

Specifications

Classification ISO 9060 First Class

Output Voltage (mV)

Sensitivity 7 ... 16 $\mu\text{V}/\text{W}/\text{m}^2$

Resolution –

Wavelength Range 285 ... 3000 nm

Max. Irradiance 2000 W/m^2

Response Time (95%) < 18 s

Zero Offset (a) thermal radiation (200 W/m^2) < 5 W/m^2

Zero Offset (b) temperature change (5k/hr) $\pm 2 \text{ W}/\text{m}^2$

Non-linearity @ 1000 W/m^2 $\pm 1 \%$

Non-stability change/1 year $\pm 1.5 \%$

Direction Response @ 1000 W/m^2 $\pm 18 \text{ W}/\text{m}^2$

Temperature Response (-10 ... +40°C) < 3 %

Temperature Response (-20 ... +50°C) < 4 %

Tilt Response @ 1000 W/m^2 $\pm 1 \%$

Impedance @ 25°C 60 ... 100 Ω

Operating Temperature -40 ... +80 °C

Power Supply –

Power Consumption –

Cable Length 10 m

Weight 0.35 kg

Protection Class IP67

Warranty 5 years

Manufacturer

Pyranometer EKO MS-60

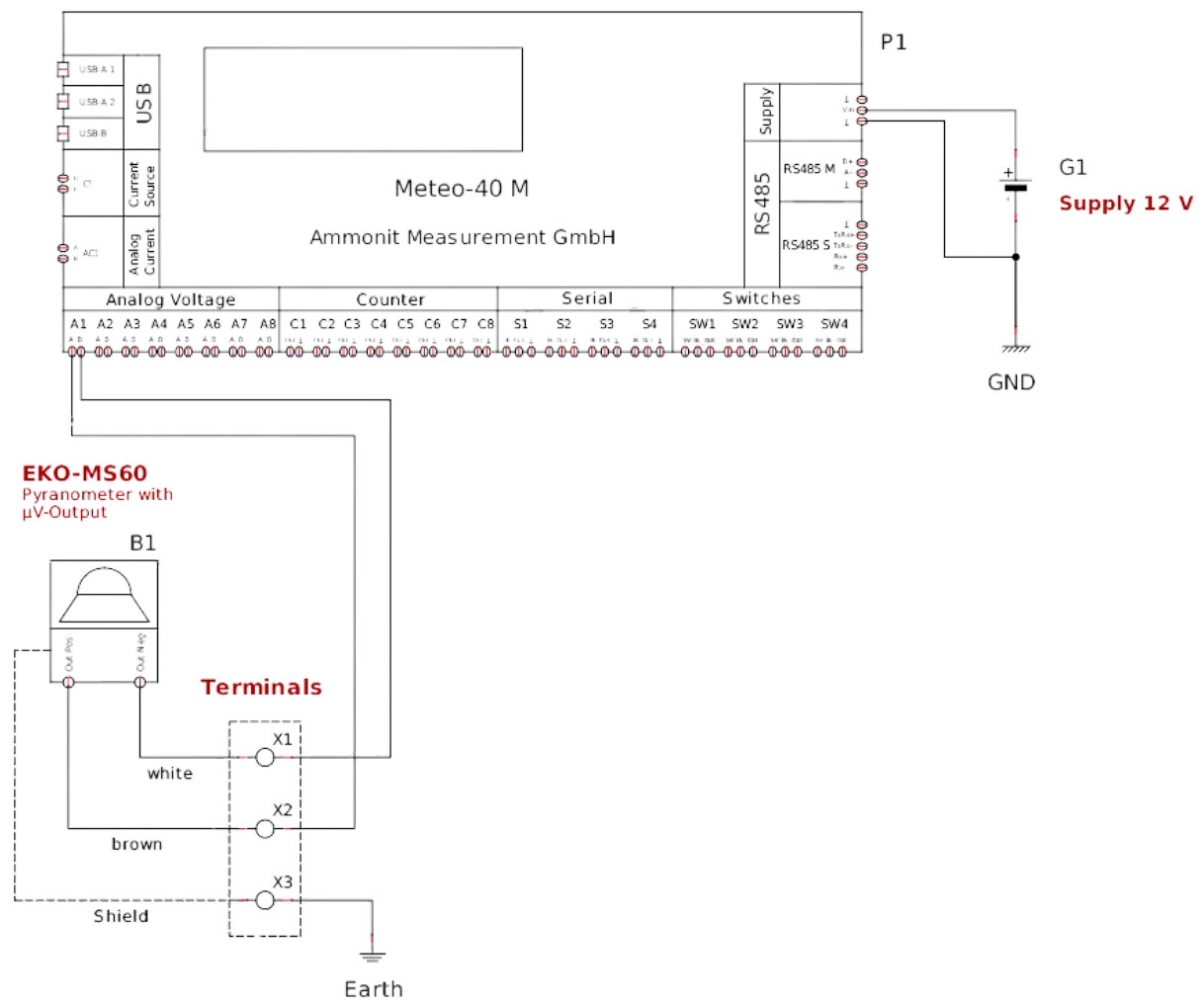
EKO Instruments

Accessory

MV-01 ventilator / heater (Order-No. S64060)

Delivery includes IEC 17025 calibration certificate.

Sensor connection diagram to Ammonit Meteo-42 data logger



Sensor	Wire Colour (EKO)	Meteo-40 Analog Voltage
Solar irradiance Output voltage	brown (+)	Ax
	white (-)	Bx
	shield	Earth