



## MV-01 Ventilator

### Technical Specifications

Ensure data availability

Made for MS-80, MS-80A, MS-80M

Compatible with MS-40 and MS-60

Tacho output to monitor speed

Compliant IEC 61724-1 standard

The MV-01 ventilator and heater in combination with the MS-80/60/40 pyranometers will keep the pyranometer sensor free of dew, ice and snow. The ventilator ensures data availability of the MS-80/60/40 under all environmental conditions. In combination with the MV-01 ventilator, your sensor will be compliant to the requirements of the new IEC 61724-1 standard (Class A).

With the standard tacho output the speed of the fan can be monitored. The MV-01 features a low power fan and effective heater, which can be separately switched on/off during the variable operating conditions. Due to the vertical design of the pyranometer sunscreen, the air outlet will remain free from snow and ice. The ventilator unit is protected against overheating through a temperature safety switch.

MV-01 is compatible with the MS-80 Secondary standard, MS-60 First class and MS-40 Second class pyranometers.

|                                    | <b>MV-01</b>                 |
|------------------------------------|------------------------------|
| <b>Compatible sensors</b>          | MS-80 / MS-60 / MS-40 series |
| <b>Power supply</b>                | 12 VDC VDC                   |
| <b>Power consumption</b>           | 2 - 9 W                      |
| <b>Operating temperature range</b> | -30 - 60 °C                  |
| <b>Induced Zero offsets</b>        | < 1 W/m2                     |
| <b>Tacho output</b>                | Pulse / 100Hz / 3000 RPM     |
| <b>Ingress protection IP</b>       | 54                           |
| <b>Cable length</b>                | 10 m                         |
| <b>Dimensions mm</b>               | 138 (D) x 67 (H)             |
| <b>Weight</b>                      | 0.7 kg                       |

| <b>Options</b>        | <b>MV-01</b>   |
|-----------------------|----------------|
| <b>Cable length</b>   | 20 / 30 / 50 m |
| <b>Air filter kit</b> | 5 filters      |

Specifications are subject to change without further notice.