



MRS 100KIT

Meteorological Radiation Shield

The radiation shield enables radiation-protected measurement of the ambient air temperature by exposing sensor to freely circulating air while shielding it from direct sunlight. Infrared (IR) radiation is the cause of the thermal effect in both the heating of the air and the ground. In this context, the radiation shielding was designed to maximize protection of the sensitive measuring element from solar radiation by extending the WMO specifications (direct) to include components reflected and scattered by the ground (soil, snow, sand, etc.).

Features

- Excellent air circulation
 - Reflective black undercoating
 - Robust polycarbonate housing
 - Modern and simple sensor mounting solutions for a wide range of diameters
 - Easy click sensor mount system without tools
- **Operating temperature** -40 ... +80 °C



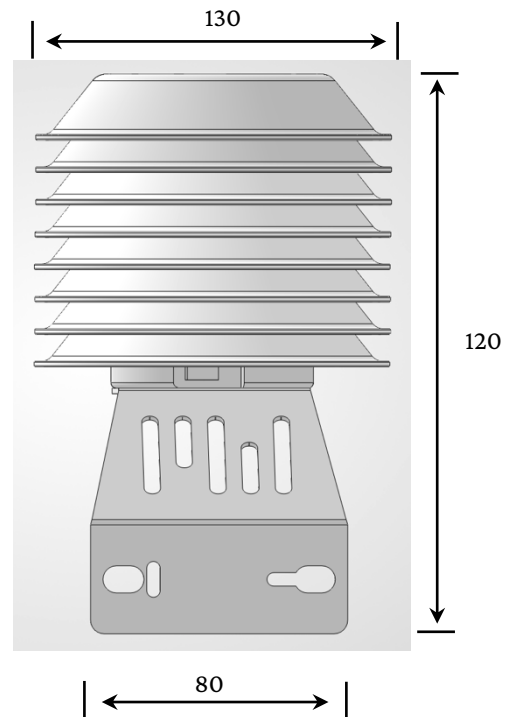
Applications

- Meteorological weather station
- Agricultural Meteorology
- PV & Solar Parks
- Industrial and factory sites
- Building Automation / Smart City



Specifications

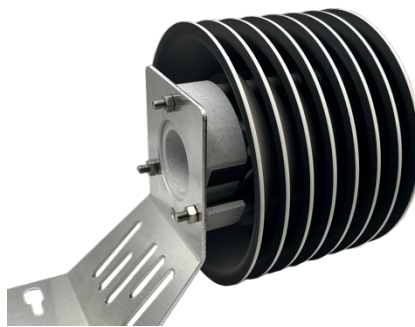
Mechanical Data



- [1] All dimensions are in millimeters.
(tolerance : ± 0.2)
[2] Scale : freestyle
[3] This drawing without tolerances
are for reference only



Bracket 16mm

8x black undercoated
Polycarbonat shield

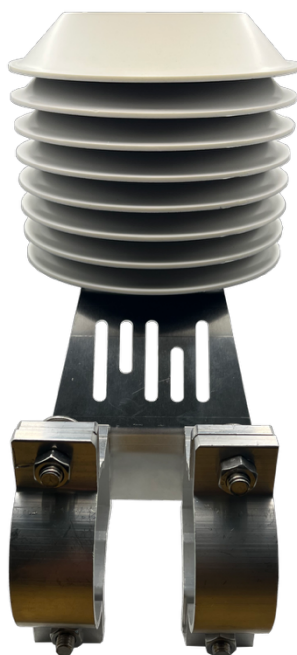
Default 60mm mast clamp



Bracket 12mm

Sensor brackets are available in various diameters. Standard diameter = 16 mm
Maximum mounting diameter = 30mm

Additional Accessories



Ordering

<i>Product/Replacement part</i>	<i>Order number</i>
MRS 100KIT	740000
Bracket 16mm	270010
Bracket 12mm	270011
Mast clamp 60mm galvanised default	270012
2x Mast clamp Aluminium 60mm	270013

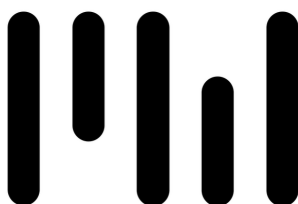
Revision History

2026-07-11	Rev. 0: Initial Version
2026-08-18	Rev. 1: Ad. CRM edits

Disclaimer

All product, product specifications and data are subject to change without notice.

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