

Radiation Shield

HD9007... - 12 or 16 RINGS RADIATION SHIELD

INTRODUCTION

The HD9007 Multiplate Radiation Shield is a high-performance passive shielding system designed to protect temperature and temperature/humidity sensors from direct solar radiation, rain, and wind. It ensures accurate environmental measurements in meteorological, climatological, and environmental monitoring applications.

Engineered with a series of specially shaped plates, the shield promotes effective air circulation around the sensor while blocking unwanted external influences. This design minimizes measurement errors caused by thermal radiation and precipitation.

FEATURES

UV-resistant, antistatic thermoplastic material

Offers durability and long-term stability even in harsh outdoor environments. The material has low thermal conductivity and high reflectivity, reducing heat absorption from solar radiation.

White powder-painted anticorodal aluminium support bracket

Ensures robust mechanical support and resistance to corrosion.

Stainless steel U-bolt mounting system

Compatible with poles or masts ranging from 30 to 50 mm in diameter, ensuring flexible installation options in field conditions.

Optimized multiplate design

Enhances natural ventilation to maintain measurement accuracy for temperature and relative humidity sensors.

Applications

- Meteorological and climatological stations
- Agricultural weather monitoring systems
- Industrial outdoor sensor deployments
- Environmental research and air quality monitoring

General specifications

| | |
|----------------------------|--|
| Number of rings | HD9007A-1: 12-ring HD9007A-2: 16-ring |
| External dimension | 125 mm diam. |
| Height (excluding bracket) | HD9007A-1: 175 mm HD9007A-2: 227 mm |
| Weight | HD9007A-1: ca. 640 g HD9007A-2: ca. 760 g |
| Material | Discs:ASA Bracket: anodized aluminium |
| Probes suitable diameter | 26 mm 14 mm |



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OPTIMIZED SOLAR PROTECTION

Minimizes radiation impact for accurate sensor readings.



ALL-WEATHER RELIABILITY

Performs in sun, rain, and wind with durable materials.



ROBUST AND FLEXIBLE MOUNTING

Secure fit on masts from 30 to 50 mm.

