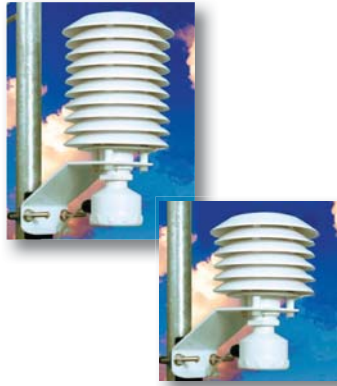


MULTI-PLATE SOLAR RADIATION SHIELD

10-PLATE: MT-RD0002, 6-PLATE: MT-RD0003

This self-aspirated radiation shield protects relative humidity, temperature, and dew point temperature sensors from the negative effects of solar radiation and precipitation. The multiple plates block direct and scattered radiation and promote air flow past the sensors. The disc material has high reflectivity, low thermal conductivity, and maximum durability in outdoor conditions. This radiation shield is frequently used on automatic weather stations where AC power is not available.



Technical Specifications

Capacity:	One probe up to 26 mm (1") diameter
Radiation error:	At 1080 W/m ² intensity 0.4°C (0.7°F) RMS @ 3 m/s (6.7 mph) 0.7°C (1.3°F) RMS @ 2 m/s (6.7 mph) 1.5°C (2.7°F) RMS @ 1 m/s (6.7 mph)
Material:	White thermoplastic, UV stabilized. Gloss white painted aluminum mounting bracket. Stainless steel U-bolt.
Dimensions:	12 cm D x 27 cm H (4.7" x 10.6") U-bolt fits vertical pipe 25-50 mm (1-2")
Weight:	0.7 kg (1.5 lbs)
Mast diameter:	1-2" (25 to 50 mm)
Weight:	1.5 lbs (0.7 kg) 10 plate shield

Ordering Options

- 10-plate radiation shield. Includes universal adapter for sensors up to 12.5 mm diameter.
- 10-plate radiation shield with custom sensor adapter 12.5 mm to 26 mm. Specify sensor diameter.
- 6-plate radiation shield. Includes universal adapter for sensors up to 15 mm in diameter.

