

Multi-Plate Free-Flowing Radiation Shield

AT/RH Shield 5600-0021-1C

Features

- ▶ Protects temperature and relative humidity sensors from error-producing solar radiation and precipitation.
- ▶ Compact size and light weight make this shield useful for many applications.
- ▶ Naturally ventilated, requires no power
- ▶ Used with ambient temperature sensors
- ▶ Useful for a wide range of applications
- ▶ Well suited for field studies where power for aspiration is not available
- ▶ Easy air passage through shield
- ▶ Unique shape of disc provides positive blockage of direct solar radiation, as well as reflected radiation from the temperature sensing element.
- ▶ Specially formulated thermoplastic disc material for maximum weatherability, high reflectivity, low thermal conductivity, and low heat retention
- ▶ Accommodates variety of sensors through threaded plastic hex plug (sensors up to 1 in. (26mm) dia.)

Ordering

5600-0021-1C Aspirated Radiation Shield, AT/RH, 10 Plates, 15mm Sensors
Works with AT/RH Sensors 0 to .5" dia (5600-0316)



Specifications

Specifications subject to change without notice

Sensor Types	Accommodates temperature and humidity sensors up to 26 mm (1 in.) diameter
Radiation Error	@1080 W/m ² intensity - dependent on wind speed
	0.4°C (0.7°F) RMS @ 3 m/s (6.7 mph)
	0.7°C (1.3°F) RMS @ 2 m/s (4.5 mph)
	1.5°C (2.7°F) RMS @ 1 m/s (2.2 mph)
Construction	UV stabilized white thermoplastic plates, aluminum mounting bracket, white stainless steel u-bolt clamp
Dimensions	10.6 in. H x 4.7 in. Dia.
	27cm x 12cm
Mounting	U-bolt fit vertical pipe 1 in.-2 in. (25mm to 50mm) dia.
Weight	0.7kg (1.516 lb.)



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