

380-43502 Aspirated Solar Radiation Shield

The **380-43502 Aspirated Solar Radiation Shield** protects temperature and relative humidity sensors from error-producing solar radiation and precipitation. A continuous duty DC blower provides a constant flow of ambient air over the sensor. The triple walled intake tube accommodates sensors up to 0.9" (24mm) diameter.

- Small shield size reduces the surface area exposed to incoming radiation during the day.
- Brushless 12V DC blower is designed for continuous duty of more than 80,000 hours (9 years) at 25° C (77° F).
- Mounting bracket fits vertical 1" to 2" (25 to 50 mm) masts
- Wall mount option



380-43502 Aspirated Sunshield

Capacity	1 probe (temperature, humidity or combined temp/RH) Accommodates sensors up to 0.9" (24mm) diameter
Radiation error:	
Ambient Temp	<0.2°C (0.4°F) RMS (@1000 W/m ² intensity)
Delta T	<0.05°C (0.1°F) RMS with like shields equally exposed
Aspiration Rate	5 to 11 m/s (16-36 fps) depending on sensor size
Power Requirement	12-14 VDC @ 500 mA for blower
Operating Temperature	-50° to +60° C (-58° to +140° F)
Material	Blower housing and shield assembly: UV stabilized plastic, white Aluminum mounting bracket, white Stainless steel U-bolt clamp
Mounting	Vertical pipe mount: 1" to 2" (25 to 50 mm) o.d. with U-bolt Surface mount: Remove U-bolt. Mounting screws not included.
Compliance	CE requirements for the EMC Directive (Shielded cable must be used.)
Size	8" Dia x 13" H (200 x 330 mm) mounting arm 6" L (152 mm)
Weight / Shipping	2.5 lb (1.1 kg) / 6 lbs (2.7 kg)

ORDERING INFORMATION

380-43502	Aspirated Solar Radiation Shield
380-43502-2A	Aspirated Solar Radiation Shield for 225-HMP155A Sensor
380-41390	Junction box for sensors up to 0.4" (10 mm) diameter