

380-281 Solar Radiation Shield

The **380-281 Solar Radiation Shield** provides protection from scattered as well as direct radiation. The plate geometry, material, and natural ventilation promotes a rising flow of air over the sensor.

- Models to fit various sensors
 - **380-281** 0.25" to 0.72" Dia (6.3 to 18 mm)
 - **380-281-4550** 0.25" to 0.85" Dia (6.3 to 21 mm)
 - **380-281-THT** 0.25" to 0.98" Dia (6.3 to 24 mm)
- Aluminum bracket mounts to 1 ½" mast (38 mm)
- Wall mount option
- Available with solar-powered fan (Model 380-283)



380-281 Sunshield

INSTALLATION

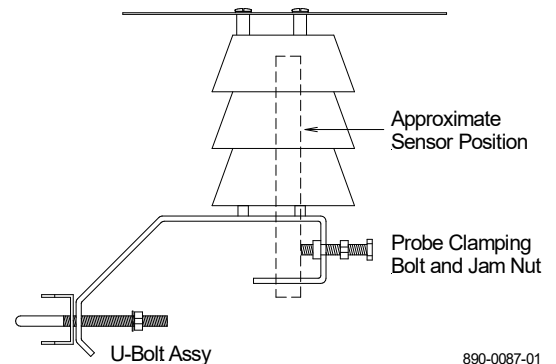
Install the probe inside the sunshield so that the tip is within an inch (2.5 cm) of the upper cap. Loosen the jam nut on the probe retainer bolt, then turn the bolt until it clamps the sensor in place. Do not over-tighten. Tighten the jam nut to hold the bolt in place. Use a cable tie to secure the sensor cable to the mast.

For Pipe Mounting

- 1) Remove the U-bolt from the mounting bracket.
- 2) Secure the radiation shield to a 1 ½" mast (38 mm).

For Surface Mounting

- 1) Remove the U-bolt from the bracket.
- 2) Mark the outer two holes of the mounting bracket on the surface.
- 3) Drill the two holes marked in the previous step into the surface.
- 4) Attach the radiation shield with appropriate fasteners (not included).



890-0087-01

ORDERING INFORMATION

380-281	Solar Radiation Shield (sensor diameter 6.3 to 18 mm)
380-281-4550	Solar Radiation Shield (sensor diameter 6.3 to 21 mm)
380-281-THT	Solar Radiation Shield (sensor diameter 6.3 to 24 mm)

Note: Use with 225-THT-1 Temp & RH Sensor

380-281 Solar Radiation Shield with Bracket

	1 probe (temperature, humidity or combined temp/RH)
Capacity	380-281 0.25" to 0.72" Dia (6.3 to 18 mm)
	380-281-4550 0.25" to 0.85" Dia (6.3 to 21 mm)
	380-281-THT 0.25" to 0.98" Dia (6.3 to 24 mm)
Radiation error	2°F @ WS > 3 mph (1°C @ WS > 4.8 kph)
Material	White powder coated aluminum
	Stainless steel U-bolt and fasteners
Mounting	Vertical pipe mount: 1.25" (32 mm) o.d. with U-bolt
	Surface mount: Remove U-bolt. Mounting screws not included.
Size	6" Dia x 12.5" H (152 x 318 mm) mounting arm 6" L (152 mm)
Weight / Shipping	2.5 lb (1.1kg) / 4 lbs (1.8 kg)