

MODEL 5728

Solar Radiation Shield

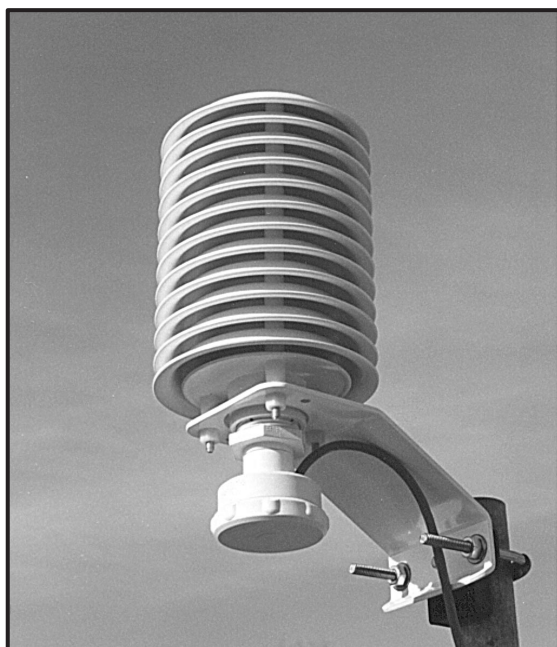
- Blocks Direct Sunlight
- Prevents Reflected Solar Radiation
- Reduces Temperature & Humidity Errors
- Low Thermal Conductivity



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DESCRIPTION:

The Model 5728 Solar Radiation Shield protects ambient temperature and relative humidity sensors from direct sunlight and reflected solar radiation. The shield actually improves the sampling of air by promoting smooth air flow past the sensor.

Twelve white opaque molded plastic discs permit easy air passage through the shield while the unique disc profile provides a positive blockage of direct and reflected solar radiation. The thermoplastic disc material is specially formulated for maximum protection in harsh environments. This material provides high reflectivity, low thermal conductivity, and low heat retention.

The sensor is enclosed within the plastic disks of the shield. A support arm and mounting hardware is included for easy field installation and attaches to any vertical pipe up to 2" in diameter.

SPECIFICATIONS:

Radiation Error	With 1080 W/m ² Intensity Dependent upon Wind Speed (ventilation rate):
	0.4°C. (0.7°F.) RMS @ 3m/s (6.7 MPH)
	0.7°C. (1.3°F.) RMS @ 2m/s (4.5 MPH)
	1.5°C. (2.7°F.) RMS @ 1m/s (2.2 MPH)
Materials	Molded White Thermo Plastic UV Stabilized
Mounting	V-Block and 2" SS U-Bolt for Pipe 1-2" in Diameter
Size - Model 5728	4.7" Diameter x 10.6" H
Weight	1.5 Pounds
Shipping Weight	3 Pounds

ORDERING GUIDE:

Model 5728 Solar Radiation Shield (12 Disc Profile)

OPTIONAL:

Model 5729 Solar Radiation Shield (6 Disc Profile)

ACCURACY YOU CAN COUNT ON

WEB SITE: www.highsierraelectronics.com E-MAIL: info@highsierraelectronics.com