

074 Radiation Shield

The Model 074 Radiation Shield is designed to greatly reduce errors in temperature and relative humidity due to direct solar radiation.

The Model 074 is a naturally aspirated solar radiation shield designed to be used with attached sensors. The sensor is shielded by a series of white concentric plates, which allow air flow to pass through the shield while blocking direct solar rays. This shielding minimizes the effects of solar and terrestrial radiation and improves the measurement accuracy of meteorological sensors.

The Model 074 Radiation Shield is normally used with Model 065 Temperature Sensors. It can also be used with the 083E-0-35 and 085-35 Humidity/ Temperature probes. These sensors are supplied with a sensor cable through a strain relief. Sensors and cables are ordered separately.



Features

- Accommodates various sensors
- Requires no power
- Easily mounted
- Reduces errors in temperature measurement

Specifications

Sensors:	Model 065, 083E-1-35 1, & 085-35
Transducer Sensing Zone:	1 in. (2.54 cm) maximum
Max. Transducer Diameter:	0.75 in. (1.9 cm)
Mounting:	U-bolt to either vertical or horizontal pipe $\frac{3}{4}$ IPS (1.05" OD) to 1.5 IPS (1.90" OD)
Plate Material:	Polymer/Plastic
Finish:	Gloss white
Dimensions (less sensor):	7.0 in. (17.8 cm) diameter 3.5 in. (8.9 cm) high
Weight:	2.0 lbs (.91 kg)

Applications

- **Ambient Air Monitoring**
- **Environmental Surveys**
- **Government**