



Met One  
Instruments

073B Radiation Shield

5980 Radiation Shield

Met One Radiation Shields reduce errors in temperature and relative humidity measurements that are caused by direct solar radiation. They are constructed of a series of white aluminum 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 provides accurate measurements.

### FEATURES

- Accommodates RH and temperature sensors
- Requires no power
- Easily mounted

### Operation

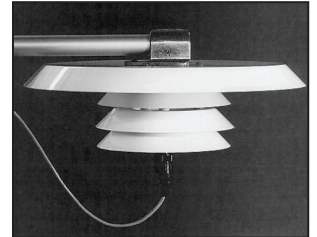
The Model 073B and 5980 Radiation Shields are designed for use with the 064 Temperature Sensors or the 083E Temperature/Relative Humidity Sensors.

### 073B

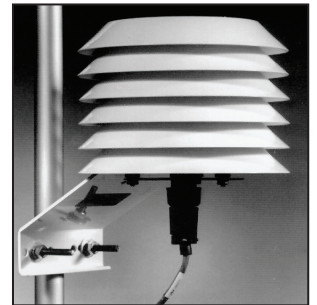
The multi-plate design of the 073B Shield, with its large diameter top plate, provides solar radiation shielding of the installed temperature sensor. The spun aluminum shields provide easy air flow for natural air aspiration of the probe. The shield is designed for mounting on a horizontal 1" diameter boom, using the Model 193 Universal Boom or on the 191 Cross Arm Assembly.

### 5980

Based on a common multi-plate design, the 5980 Shield consists of 6 spun aluminum shields. The multiple shields provide for natural air flow aspiration of the probe. The shield is designed for mounting on a vertical pipe or tower leg. The mounting arm can also be mounted on a horizontal pipe by moving the mounting hardware to an alternate position on the mounting arm.



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### SPECIFICATIONS

#### 073B

Sensors:	Model 064A and 083E
Transducer Sensing Zone:	1 in (25.4 mm) maximum
Maximum Transducer Diameter:	.75 in (19.05 mm)
Mounting:	1 in (25.4 mm) tubing or .75 (19.05 mm) in IPS pipe

#### PHYSICAL CHARACTERISTICS

Plate Material:	Spun aluminum (3 each)
Finish:	Gloss white powder coat
Dimensions (less sensor):	14.25 in (36.2 cm) diameter x 6 in (15.24 cm) high
Weight:	2.6 lbs (1.8 kg)

#### 5980

Sensors:	Model 064A and 083E
Transducer Sensing Zone:	1 in (25.4 mm) maximum
Maximum Transducer Diameter:	.75 in (19.05 mm)
Mounting:	U-bolt and mounting arm assembly adapts to a pole diameter of up to 2.25 in (57.15 mm)

#### PHYSICAL CHARACTERISTICS

Plate Material:	Spun aluminum (6 each)
Finish:	Gloss white powder coat
Dimensions (less sensor):	7 in (17.8 cm) diameter x 3.5 in (8.9 cm) high
Weight:	1.75 lbs (.79 kg)

Specifications are subject to change at any time.

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