

**MODEL 5980
RADIATION SHIELD**

OPERATION MANUAL



**Met One
Instruments**

1600 Washington Blvd.
Grants Pass, Oregon 97526
Telephone 541-471-7111
Facsimile 541-471-7116

Regional Sales & Service
3206 Main St., Suite 106
Rowlett, Texas 75088
Telephone 972-412-4715
Facsimile 972-412-4716

5980 Naturally Aspirated Radiation Shield Operation Manual

1.0 GENERAL INFORMATION

- 1.1 Model 5980 is a naturally aspirated solar radiation shield designed to be used with attached sensors. The sensor is shielded by concentric aluminum plates to reflect solar energy. The shield is designed to greatly reduce errors due to direct solar radiation and reflected terrestrial radiation.
- 1.2 Sensors, Cables and Connections. Model 5980 Radiation Shields are normally used with Model 064 Temperature Sensors or 083C Temperature/Relative Humidity Sensors. The temperature sensors are precision thermistor units that produce a resistance change inversely proportional to temperature. These sensors are supplied with quick disconnect connector. Mating cables are supplied with several types of termination. Refer to cable drawings in the sensor manuals for particular wiring.

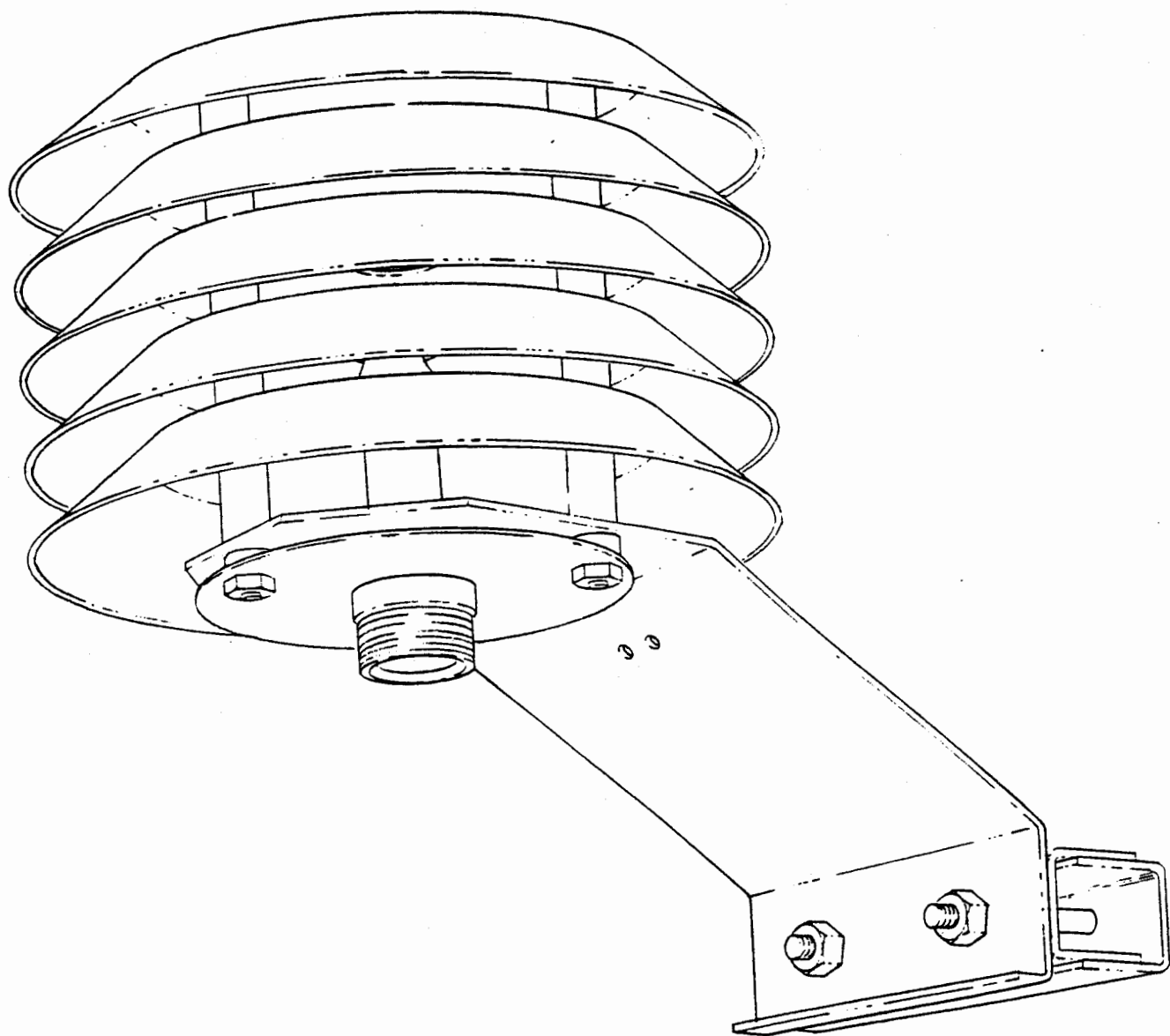
Table 1-1

5980 Naturally Aspirated Solar Radiation Shield

Mounting	"U" Bolt to vertical pipe
Weight	2 pounds (less sensor)
Size	7 inches diameter 8 inches high (less sensor)

2.0 INSTALLATION

- 2.1 Mount the 5980 on a 3/4" vertical pipe. The unit will slide over the end of the pipe and will lock into place with the "U" bolt.



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