



# Motor Aspirated Radiation Shield Model 8190



The Model 8190 Motor Aspirated Radiation Shield (MARS) provides protected mounting for temperature and humidity probes, shielding them from direct solar heating and precipitation contact. The Model 8190 is a virtually maintenance-free radiation shield constructed of heavy-duty, non-corrosive polymer, and featuring a reliable, long-life 12VDC fan for continuous aspiration. It accommodates one probe: a temperature probe, a humidity probe, or a combination temperature/humidity probe. All cable terminations to the MARS are made through weatherproof connectors mounted on the enclosure.

## SPECIFICATIONS

Operating temperature range .....	-40 to +55°C
Radiation error .....	0.5°F @12VDC and 1000 W/m <sup>2</sup> solar radiation
Air flow .....	360 ft./min. @12VDC
Fan life .....	70,000 hours @ 40°C
Power .....	8-15VDC
Size .....	42" L x 13.5" H (107 cm x 35 cm)
Weight .....	10 lbs (4.6 kg)