



EVAPORATION GAUGE P/N 101155

FEATURES:

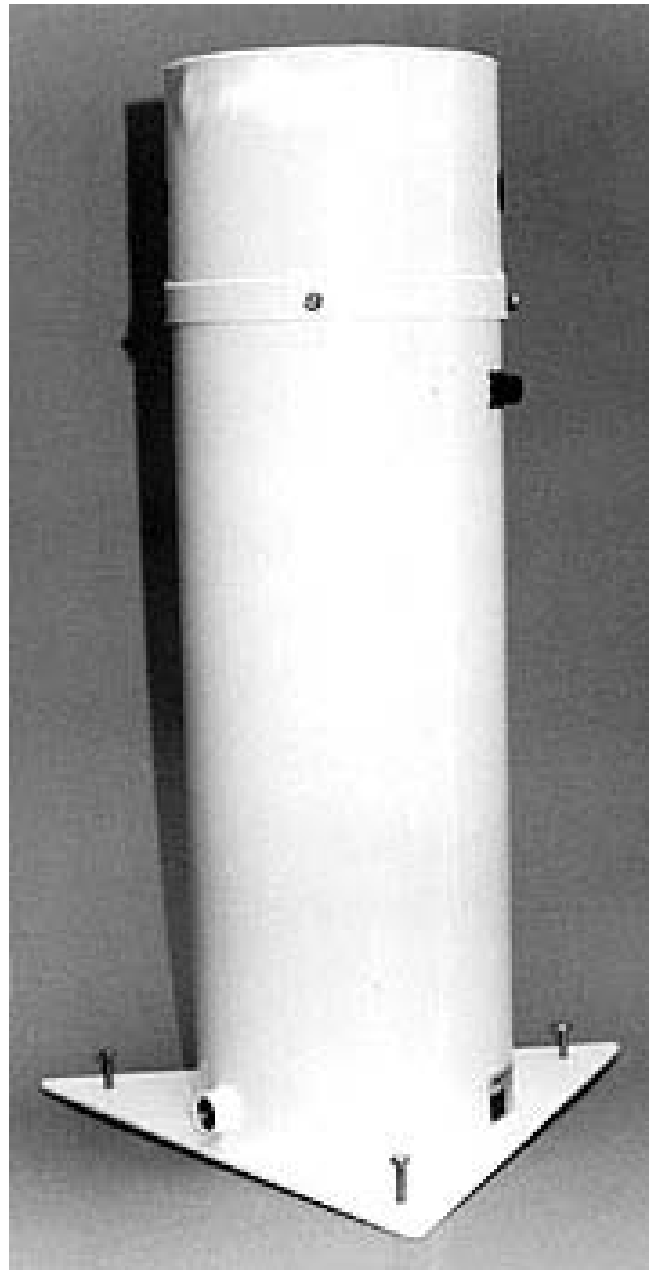
- **High Accuracy and Resolution**
- **Analog Output**
- **Corrosion-resistant Materials**

The Evaporation Gauge measures the water level in a standard evaporation pan and provides an output proportional to that level. The gauge employs a unique balanced sensor assembly to allow high resolution and simple data collection without frequent, time-consuming visits to the evaporation sensor site.

The sensor assembly incorporates a polypropylene float, which follows the water level in the evaporation pan. The movement of the float is transferred to a 1000-ohm potentiometer through a pulley, counterweight, and gear assembly in a weatherproof housing. The potentiometer produces a resistance output proportional to the position of the float, which can be monitored on site using one of Climatronics' data loggers.

The evaporation gauge is built completely from corrosion resistant materials. The base and the main support are stainless steel, and the base is equipped with three leveling screws and a bubble level.

The companion P/N 103005G Evaporation Pan is a standard, National Weather Service Class A type for evaporation measurement. It is normally installed on a wooden platform set on the ground in a grassy location. The pan is filled with water and exposed to represent an open body of water. The pan is normally filled to within 2.5 inches of the top of the pan. The evaporation rate is measured by the 101155 evaporation gauge.



SPECIFICATIONS

P/N 101155 EVAPORATION GAUGE

PERFORMANCE

Sensor: 3-float assembly
Transducer: 1000-ohm potentiometer
Range: 0-10" (0-250 mm)
Resolution: Infinite
Accuracy: $\pm 0.25\%$
Linearity: $\pm 0.25\%$
Cable: 3-conductor shielded, 50 feet

ENVIRONMENTAL

Temperature -40° to +60°C (-40° to 140°F)

PHYSICAL

Sensor Assembly: 8" dia x 27.5"H (203 x 698mm)
Base Dimensions: 16" triangle (406 mm)
Float: 4" dia (102 mm)
Weight/Shipping: 15 lbs/20 lbs (6.8 kg/9.1 kg)

P/N 103005G EVAPORATION PAN

Material: Low carbon stainless steel, type 304, 18 gauge
Construction: Heliarc welded, 1/2" drain plug, NPT female coupling
Size: Cylindrical, inside dimensions 10" deep x 47-1/2" dia (254 mm x 1026 mm), wall thickness 0.047"
Volume: Approx 77 gallons (adding 7.7 gallons will raise water level in pan by 1")
Weight/Shipping: 48 lbs/59 lbs (22 kg/27 kg)
Shipping Box: 49" x 49" x 11" (oversize-cannot ship via UPS)



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