



## Evaporation Monitoring System S9332

- Evaporation Pan
- Analog Output Evaporation Gauge

The **Evaporation Pan** is a standard National Weather Service Class A type for measurement of water evaporation. 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 filled to within 2.5 inches of the top of the pan. The evaporation rate can be measured by manual readings or with an analog output evaporation gauge.



The **Analog Output Evaporation Gauge** is used to determine the evaporation rate by measuring the changing water level in an evaporation pan. A standard National Weather Service Class A Evaporation Pan is recommended. The sensor consists of a float, pulley, and counterweight attached to a precision 1000-ohm potentiometer mounted through a gear assembly in a weatherproof housing. The triangular base plate is equipped with three leveling screws and a bubble level. The potentiometer produces a resistance output proportional to the position of the float which can be monitored on site using a data logger or a strip chart recorder, or monitored remotely by telemetry equipment. The instrument can be placed directly in the pan, or connected to the pan using a stainless steel pipe and fittings.





## Technical Specifications

**S9332**

### Evaporation Gauge

Potentiometer:

Accuracy: 0.25%

Rotation: Continuous

Resistance: 1000 ohms

Operating temperatures: -40° to 60° C

Linearity: 0.25%

Range: 0-10"

System accuracy: Evaporation gauge with pan and pipes  $\pm 0.25\%$  over 10" range

Float: 4" diameter

Height: 27-1/2"

Diameter: 8"

Base: 16" triangle with leveling screws

Water input port: 1/2" NP coupling, female

Cable: 3 conductor, 50' included

Weight/Shipping: 7-1/2 lbs/30 lbs

Shipping box: 15" x 15" x 30" (oversize)