

## MODEL 255-100 EVAPORATION GAUGE



The 255-100 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. The potentiometer produces a resistance output proportional to the position of the float which can be connected to our Automatic Weather Stations Model METEODATA-2000/3000C Series, which allow also data transmission to a Central Stations.

The water level sensor can be placed directly in the pan, or externally connected to the pan by means of a suitable pipe and fittings.

## **SPECIFICATIONS:**

## **Potentiometer:**

Accuracy: 0.25% Rotation: Continuous Resistance: 1000 ohms

Operating temperatures: -40° to 60° C

Linearity: 0.25% Range: 0-250mm

System accuracy: Evaporation gauge with pan and

pipes ± 0.25% over 250mm range

Float: 10mm diameter

Height: 700mm

Diameter: 200mm

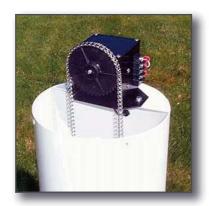
Base: 40mm triangle with leveling screws

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

Cable: 3 conductor, 15m

Weight/Shipping: 3,2 kg/14kg

**Shipping box:** 380 x 380 x 760 (oversize)



Ordering information	Model
Analog Output Evaporation Gauge	255-100