



Mesotech's evaporation equipment includes all the system components required to measure the amount of

water lost each day to evaporation. Equipment for two methods of measurement is available: a graduated hook gauge for manual methods, and an analog output gauge for an automated station. Both methods require a Class A Evaporation Pan.

The graduated hook gauge is used at stations where an observer is located. The hook gauge is set on a stillwell to determine the water level in the evaporation pan. The hook gauge is adjusted until it

just breaks the water surface, and the reading is taken from the scale. Alternatively, the pan can be refilled daily to a specific set point, thereby giving the total evaporation. The choice between procedures generally depends on practical factors, such as water availability.

The amount of evaporation is a function of temperature, humidity, wind, and other ambient conditions. To relate the evaporation to current or expected conditions, the maximum and minimum water temperatures and the amount of air passage are normally recorded along with evaporation. Accessory instruments for measuring precipitation, humidity, air temperature, and other parameters are described in their respective brochures.

## Technical Specifications

### Evaporation Pan, Class A

Material: Low carbon stainless steel, passivated  
Helliar welded, ½" drain plug

Size: 10" x 47.5" diameter

Weight: 59 lbs

### Floating/Submersible Min/Max Thermometer

Type: U-tube minimum/maximum, magnet reset

Range: -20°C to +50°C or +20°F to +125°F

Weight: 1 lb

### Hook Gauge

Span: 3 in or 7 cm, graduated 0.1 in or 0.1 cm

Size: 7" x 5.25"

Weight: 1 lb

### Stillwell

Material: Stainless steel

Size: 4" D x 9" H

Weight: 6.5 lbs

### Totalizing Anemometer

Type: 3-cup, 6-digit counter, 0.1 mile or km

Material: Cast aluminum and polycarbonate cups

Weight: 5 lbs

## Ordering Options

Class A Evaporation Pan

Stillwell

Stillwell with fixed point

Floating/Submersible Min/Max Thermometer, °F

Floating/Submersible Min/Max Thermometer, °C

Hook Gauge, English units

Hook Gauge, metric units

Totalizing Anemometer, miles

Totalizing Anemometer, kilometers

