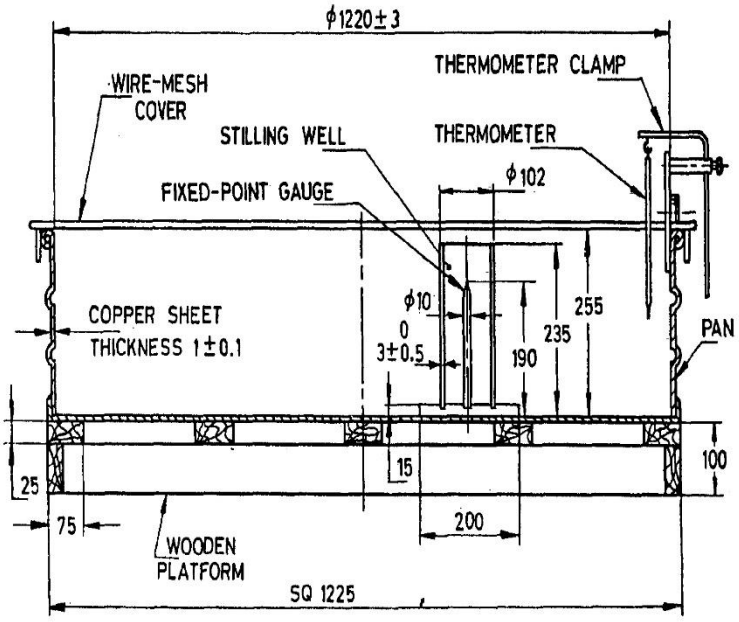
Open Pan Evaporation (Manual Type)

Balaji HydroMet manufactures as per **IS: 5973-1998** Open Pan Evaporation Meter **Model [BHM-M-OPE-IS]**. The Balaji HydroMet Pan Evaporation is Meets the Indian Standard / IMD Specification. The evaporation rate is calculated by the change in level of the free water surface (daily manual readings) and the recorded rainfall (in millimetres). Data can be calculated for any period required for estimation of evaporation and evapotranspiration rates.

This instrument is used to measure be amount of water, which has evaporated from the pan during a certain time.

Open Pan -VIEW

PROFESSINAL LINE	SPECIFICATION
Pan Material	GI / Copper / Stainless Steel (User can be selected according their requirement)
Pan Diameter	1220 mm ±3 mm
Standard	Indian Standard 5973-1998
Depth of the pan	255 mm
Resolution	0.10 mm with the Transparent measuring jar
Accuracy of pan	±0.1 % at FS
Base Stand	Wooden with white paint
Protection	MS mesh for bird and animal protection
Stillwell	fixed-point gauge has been made from non-rusting metal rod of 10 mm. Diameter. It consists of a stilling well made from non-rusting metal tube of 102 mm. outside diameter with a wall thickness of 3.0 mm.
Water Temperature Thermometer	0° C to 100 °C with 0.1 °C accuracy Clamp for the thermometer provided
Paint	GI sheet pan must have the white paint outer and inside Copper Pan having the paint outer side and tinned Inner Side according to the IMD specification Stainless Stell Pan not required the paint (it is depending on the customer requirement)
Measuring Jar	20 mm capacity provided



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR PAN EVAPORIMETER

Installation - View

The pan is normally installed above the ground level on a wooden pallet set (provided) on flat ground to ensure air can freely circulate under the pan. The location should not be adversely affected by shade and freefrom surrounding obstructions such as trees,buildings, shrubs or instrument shelters. The pan should not be placed directly upon a concrete slab or asphalt. Above that it has to be ensured that water does not enter the pan from the surrounding ground during wet weather events.

A fix point gauge (a cylinder with a base that sits in the pan) helps to fill the pan to the required water level which is indicated by a stainless steel pointer (part of thegauge).

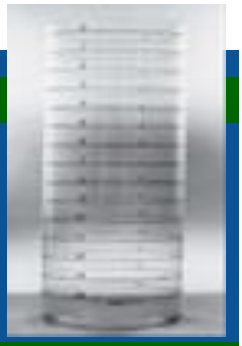
Application and feature - View

Evaporation Pans are frequently used within networks in order to obtain information about evaporation on a routinebasis. The Evaporation Pan is especially suitable for

- Meteorology
- Irrigation
- Hydrology
- Water Resources Management
- Robust construction
- Easy to setup
- Manual measurement
- High-quality Product

Accessories - View

MEASURING JAR Model: BHM-MJ-OPE-Clear



Measuring Jar Material	Transparent Acrylic clear for the better accuracy and readability
Measuring jar capacity	20 mm
Resolution	0.10 mm comes with Clear Transparent Gauge

Optional Accessories

ORDINARY RAIN GAUGE MODEL: BHM-M-ORG

Collection Area	200 cm²
Measuring jar capacity	20 mm
Rain Gauge Capacity	4 litres
Material	Reinforced Fiberglass
Accuracy	0.20 mm

CUP COUNTER ANEMOMETER MANUFACTURER AS PER IS 5912:1970 Model: BHM-M-CAA

Counter Range	0 to 9999.9 KM
Measuring Range	1200 meter / minute
Anemometer Stand	Comes according to the top surface of Pan
Average wind speed (KM/Hour)	(Current reading - Pervious Reading) / no. of observation hours

Ordering Information

Fixed Point Evaporation Station, Metric

BHM-M-OPE-IS	**Evaporation Pan as per Indian Standard**
BHM-MJ-OPE-Clear	**Transparent Measuring Jar**
BHM-M-CAA	**Cup Counter Anemometer, kilometres (Optional)**
BHM-M-ORG	**Standard/ Ordinary Rain Gauge (Optional)**