

Standard Rain and Snow Gauge

MANUAL RAIN GAUGE

Balaji HydroMet manufactures a **National Weather Service (NWS)** style Standard Rain and Snow Gauge, **Model [BHM-M-SRG]**. The Balaji HydroMet gauge differs from an actual NWS gauge in some of the design features and materials used. The **Model BHM-M-SRG** is constructed entirely of aluminium with the exception of the measuring stick. The total capacity of the gauge is twenty inches of rainfall. Rain is collected by the gauge's eight-inch diameter funnel and is directed into the Measuring tube. The diameters of the funnel and measuring tube and the capacity of the tube have been set to give a maximum of two inches of rainfall before the tube overflows into the larger measuring can.

The measuring can also act as the body of the rain gauge. Water collected by the inner collection tube is easily measured by using the measuring stick as a dip stick. The amount of rainfall collected is read directly from the measuring stick scale. Whenever rainfall overflows into the measuring can, the reading is more involved. Water is poured from the measuring can into the smaller measuring tube and the reading is then made using the measuring stick. This process is repeated until all of the water inside the large tube has been measured. Care must be used to avoid any loss of the water during the pouring process.



RAIN GAUGE - VIEW

PROFESSIONAL LINE	SPECIFICATION
Model	BHM-M-SRG
Rain Gauge Diameter	8" or (200 mm)
Capacity	20 inches or 500 mm
Standard	As per National Weather Services
Collection Area	314 CM ² / WMO and NWS standard
Measuring Can	Aluminium and MS with white power coated Paint User Selectable before purchase
Measuring Tube	Bass with nickel and Transparent Acyclic Tube User Selectable before purchase
Funnel	Made of Aluminium having a Chamfered Edge Rim made of Gun Metal Black Powder coated Paint

For Measuring Rain fall You can select any one Option as below

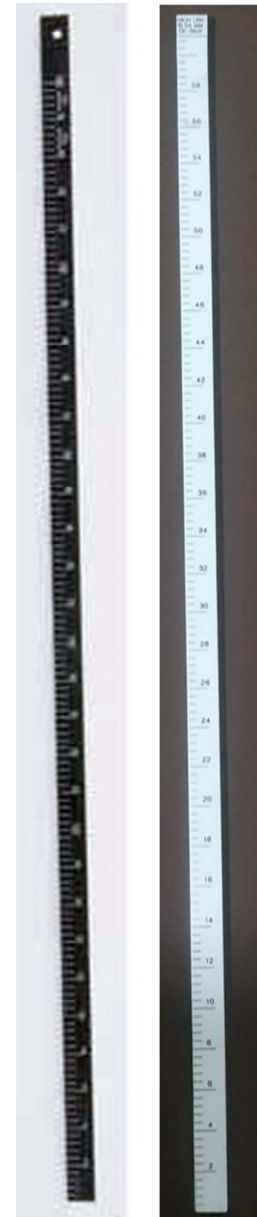
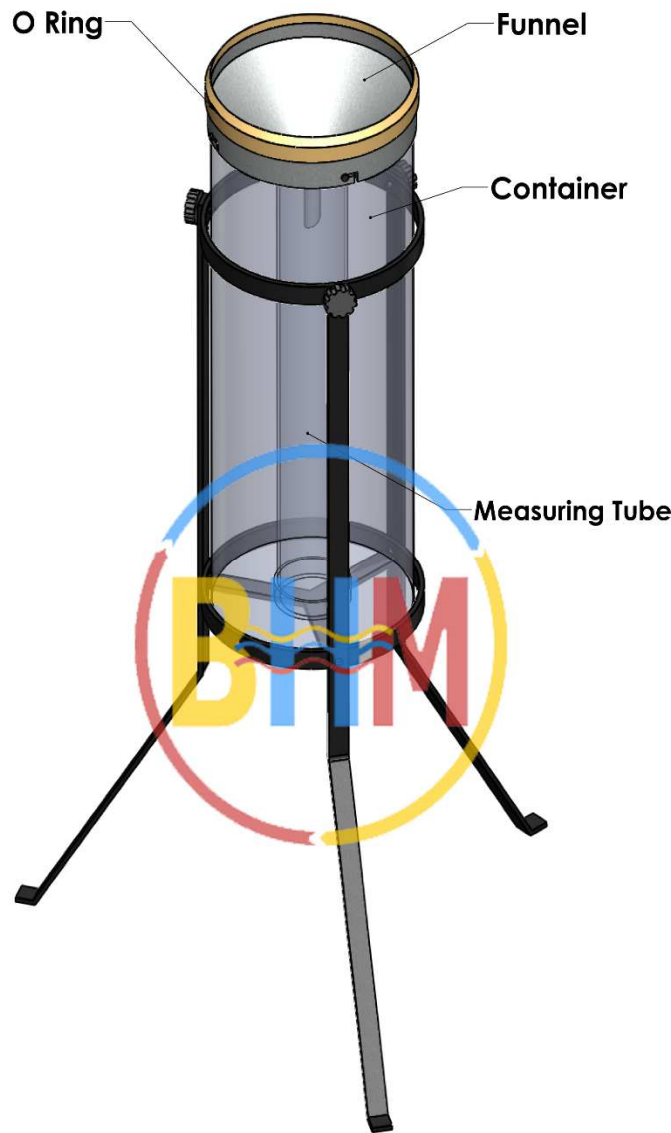
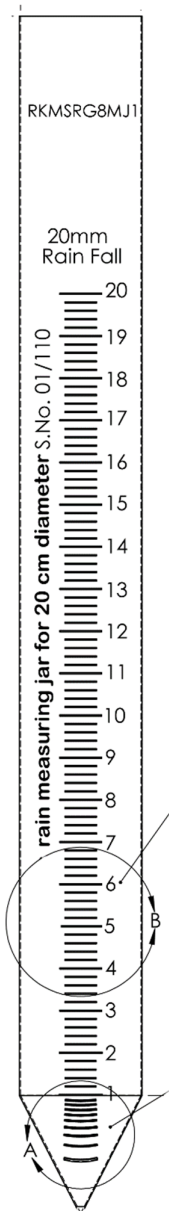
Measuring Stick Model [BHM-M-SRG-MSW]	Made of Milky White Resolution 0.01 inches and 0.20 millimetres	} comes with Transparent acrylic tube
Measuring Stick Model [BHM-M-SRG-MSB]	Made of black fibreglass Epoxy Resolution 0.01 inches and 0.20 millimetres	
Measuring Cylinder Model [BHM-M-SRG-MJ]	20 mm capacity Glass Measuring jar Resolution 0.1 mm up to 1 mm rainfall after that 0.20mm resolution rest of the 20 mm	} comes with Transparent brass nickel tube
Temp Range	-30°C to 60°C	
Weight	13 lbs / 16 lbs (6.200 kg / 8.5 kg)	
Mounting	A Tripod Stand Model BHM-M-SRG-S made MS power coated provided Stainless steel stand (Optional)	
Dimension	8.25" diameter x 25.75" height (210 x 655 mm)	

Snow may also be measured by the gauge. The funnel and the measuring tube are removed during the snow season. Snow is collected using the measuring can tube only. After each snow storm, the snow is melted and then measured as if it were overflow rain water.

According to the Selected measuring method either measuring Jar or Measuring Stick (epoxy black or Milky White) The measuring stick is having units of inches on one side and units of millimetres on the other side.

Resolution of the measuring stick is 0.01 inches and 0.20 millimetres.

Measuring Jar Model BHM-M-SRG-MJ is calibrated jar according to the collection area resolution 0.1 mm up to 1 mm rainfall after that 0.20 mm resolution rest of the 20 mm rain fall capacity. A galvanized steel stand is available for mounting the rain gauge off the ground. The stand is also manufactured by Balaji Hydro Met and is Model BHM-M-SRG-S.



Representative