

Dynalab[®]

Weathertech Pvt. Ltd.

CIN : U33126MH1989PTC050319

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ISO 9001 : 2008 REGISTERED

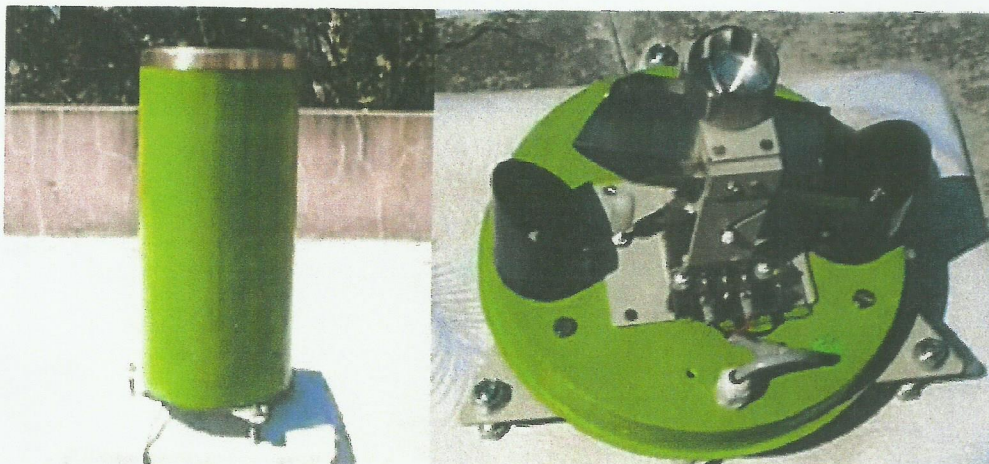
DYNALAB WEATHERTECH RAINFALL SENSOR MODEL NO.DTR8104

Sensor	: Tipping bucket rain gauge.
Sensing	: Magnet and reed switch (on-off output).
Resolution	: 0.5 mm.
Accuracy	: better than $\pm 5\%$
Operating Temperature	: -40°C to $+60^{\circ}\text{C}$. (heater required for $-ve$ temperatures)
Rim diameter	: 203 mm.
Collecting area	: 325 mm².
Material	: Raingauge shell made of FRP. Bucket and mounting made of stainless steel SS316
Capacity	: Unlimited.
Sensitivity	: 0.5 mm or, 0.2 mm (rainfall per pulse)

PRINCIPLE OF OPERATION:

It uses a tipping bucket mechanism to produce a contact closure every time it receives a predetermined quantity of rainfall . The body and funnel are made of FRP (Fiber glass Reinforced Plastic), rim is made of gun metal. All parts having contact with water are made of stainless steel. Each tip of the bucket produces an on-off output when the magnet passes over the reed switch.

Optional heater can be provided for operation below freezing point.



Ordering Information Dynalab Tipping Bucket Raingauge : Model DTR 8104X

0 to 70 ° C : O

-40 to 70 ° C : H