



# MINIMET

## Rain Gauge



**Tipping bucket design**



**Aerodynamic design for stability**



**Rugged and durable**



**Corrosion Free**



**Low Maintenance**



A conventionally shaped rain gauge interferes with the airflow so that the catch is reduced. The low cost ARG100 aerodynamic gauge has been designed to minimise this effect by presenting a reduced area to the wind. The profile is very similar to that derived theoretically and independently by the U.K. Meteorological Office as an 'ideal' shape.

The gauge is manufactured in

U.V. Resistant plastic by vacuum-forming techniques, which allow costs to be minimised while producing a very rugged instruments of comparable precision to gauges in other materials, but at much lower cost.

The collected rain is measured by the well-proven tipping bucket method which provides a contact closure at each tip. This is compatible with DataHog and MiniMet The

loggers. After measurement the rainwater drains away through the base, so the rain gauge does not need to be emptied. A base plate is also available which can be secured for installation and has adjustable pillars for levelling. The rain gauge itself is fitted with a level bubble for easy installation.

## SPECIFICATIONS

Operating temperature	Housing	Mounting	Weight	Dimensions
-20 to + 70°C standard range	Vacuum formed from U.V. Resistant Plastic	Must be levelled at installation	1000g	Funnel Diameter - 254mm (10.0 inches) Funnel Rim Height - 340mm (13.4inches)
Tip Sensitivity	Outputs	Power Requirements	Maximum allowable current through reed	
Standard setting 0.20mm of rain per tip; other setting 0.25mm, if required	Contact Closure	None	300mA; non inductive	

## ORDERING INFORMATION

### Sensor

ARG100	Tipping bucket raingauge with 6m cable - wire ended
ARG100/I	Tipping bucket raingauge with 6m cable and waterproof DataHog connector

### Accessories

RGB1	Levelling base plate for securing raingauge
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