



Raingauge ARG 314

The ARG 314 is a cost-effective Raingauge for the professional Hydro-Met Services.

The unique design and aerodynamic shape of the ARG 314 Tipping Bucket precipitation sensor increases measurement accuracy by capturing more rainfall than traditionally shaped cylindrical gauges. The ARG 314 is precision-engineered to minimise out-splash and reduce rainfall losses caused by evaporation. The depth, diameter, and angle of the funnel have all been extensively tested and researched to give the optimum accuracy in the field.

A base plate is no longer required, as the feet can be adjusted to suit different ground levels. The raingauge may be securely fastened using the fixing pegs supplied.

The rugged UV resistant material means that the ARG 314 can be installed in extremely hostile conditions. This gauge has a 0.2mm resolution (0.1mm available) (per tip) and comes as standard with a single contact closure reed switch. A dual reed switch upgrade and/or siphon version are available on request.

The ARG 314 is a robust and versatile instrument and is compatible with all modern data loggers and event recorders. The ARG 314 raingauge is rigorously laboratory and field tested. Outdoor field testing is carried out against a WMO compliant pit gauge at multiple sites.



ARG 314 SPECIFICATIONS

Resolution:	0.2mm 0.005 inch (0.1mm available)
WMO Compliant:	Yes
Output:	Contact Closure (Reed Switch) – Dual reed switch upgrade available
Typical Accuracy:	99% up to 120mm/hr
Rainfall Intensity:	0-1000 mm/hr (with mathematical correction)
Operating Temperature:	1°C - 70°C
Funnel Diameter:	20.0cm / 7.87 Inch
Funnel Area:	314cm ² / 48.67 sq. Inch
Height:	43.5cm to 46.5cm (with feet adjustment)
Weight:	2Kg
Colour:	White

ORDERING INFORMATION

Sensor

ARG 314/I - Tipping Bucket (0.2mm) Raingauge with 6m cable and DataHog connector

ARG 314 - Tipping Bucket (0.2mm) Raingauge with 6m cable

APPLICATIONS

National Met Services
Hydrology catchment projects
Hydro-Met stations
Industrial customers that need accurate data
Weather enthusiasts
Flood warning systems

FEATURES & BENEFITS

Optimum Aerodynamic shape from over 10 years of extensive field research
Self-emptying instrument
0.2mm resolution (0.1mm available)
WMO Compliant
UK manufactured