



The All New SBS314S Gauge Aerodynamic Siphon Rain Gauge



**Combines our
unique aerodynamic
profile with siphon
control for accurate
rainfall intensity**



Applications

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

Features and Benefits

- Optimum Aerodynamic shape from 10 years of extensive field research
- Self-emptying instrument
- Replaceable reed switch as standard
- 200mm diameter
- 0.2mm resolution
- WMO Compliant

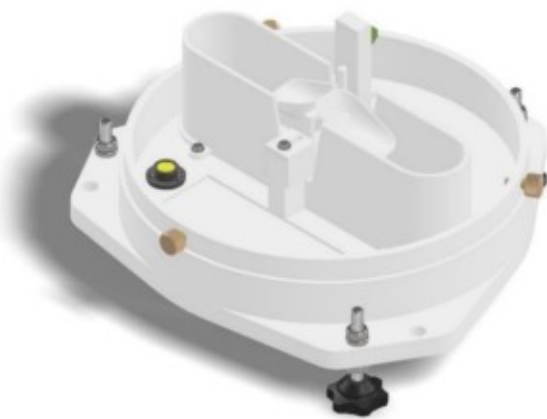
All EML gauges are rigorously laboratory and field tested. Outdoor field testing is carried out for a minimum of 12-months against a WMO compliant pit gauge at multiple sites.



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The unique design and aerodynamic shape of the SBS Tipping Bucket precipitation sensor increases measurement accuracy by capturing more rainfall than traditionally shaped cylindrical gauges. The SBS 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 and combat wind effect undercatch. The SBS314S (200mm diameter) is ideal for heavy rainfall regions and combined with the new EML siphon technology, produces accuracy across the measured intensities.



The coated aluminium design means that the SBS can be installed in extremely hostile conditions. The internal of the funnel has been precision glass bead shot-blasted to help the breaking of the surface tension of the raindrops.

Quality is assured because the gauge is manufactured and assembled by EML in the UK. The SBS is a robust and versatile instrument and is compatible with all modern data loggers and event recorders.

Technical Specifications	
Resolution	0.2mm / 0.01 inch
WMO Compliant	Yes
Output	Contact Closure (Reed Switch)
Typical Accuracy	2% up to 500mm/hr
Rainfall Intensity	0-500mm/hr – Uncorrected 500-2000mm/hr - Mathematical Correction
Operating Temperature	1°C - 70°C
Funnel Diameter	20cm
Funnel Area	31.4cm ²
Height	43.5-46.5cm
Weight	5.5Kg
Colour	White (or Green on request)

Ordering Information	
Order Code	Product
P-780-4051	SBS314S (0.2mm)
P-780-4055	SBS314S (0.01 inch)

Ordering Information - Accessories	
Order Code	Product
P-780-490	SBS spares kit



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