

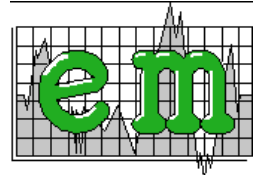
## **THE SBS ALUMINIUM RAINGAUGE**



- **CONFORMS TO PLANNED BRITISH STANDARD FOR TIPPING BUCKET RAINGAUGES**
- **UNIQUE AERODYNAMIC PROFILE**
- **INCREASED RAINFALL CATCH AND MEASUREMENT ACCURACY**
- **OPTIONAL INTERNAL HEATERS**
- **CHOICE OF 0.1 OR 0.2MM TIPS**

FULL DETAILS: CONTACT  
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The SBS raingauge benefits from the company's extensive experience in the manufacture and marketing of aerodynamic raingauges over a period of 20 years plus, also, the research and development expertise of Dr Ian Strangeways of TerraData, a renowned international expert in rainfall measurement techniques. The SBS raingauge is the result of over 3 years extensive fieldwork carried out by Dr Strangeways into determining the optimum design of raingauge for accurate rainfall measurement in all climatic conditions irrespective of wind speed and type of precipitation e.g. drizzle or heavy, convective or tropical rain. The unique design and aerodynamic shape of the SBS raingauge increases measurement accuracy by capturing more rainfall than traditionally shaped cylindrical gauges, minimising out splash and reducing rainfall losses caused by evaporation.

The funnel of the gauge is made from 2.5mm thick powder coated aluminium while the base is manufactured in LM6 marine grade aluminium. The gauge can therefore be installed in extremely hostile conditions. A version with internal heaters is also available for cold climate installations.

The gauge is compatible with all modern loggers and event recorders including our own DT2 two channel data logger which sits neatly inside the base of the raingauge. Two reed switches are fitted as standard giving the option of monitoring the gauge on an additional channel if required or alternatively for use as a control output.

### **ORDERING REFERENCES:**

SBS500 0.2mm tip gauge with 500sq.cm.collector  
SBS500H 0.2mm tip gauge with 500sq.cm.collector and heater  
SBS1000 0.1mm tip gauge with 1000sq.cm.collector  
SBS1000H 0.1mm tip gauge with 1000sq.cm.collector and heater

### **TECHNICAL DETAILS:**

Operating temperature: -30deg C to +55deg C

Funnel rim height : 440mm

Output : Contact closure

Reed contact rating : 50 watts (dc resistive)

Reed supply current : 100V dc maximum

Reed supply current : 1A max

Weight : 6 kgs

Typical accuracy : 98%+ at 20mm per hour

96%+ at 50mm per hour

95%+ at 120mm per hour

0.1mm or better at 5mm per hour

Heated version – supply current:

12V supply – heaters off – 12mA typical

- heaters on – 2.2A typical

24V supply – heaters off – 15mA typical

- heaters on – 1.1A typical

Heaters activated by internal thermostat when temperature in enclosure falls to 1 deg C and de-activated when temperature rises to 4deg C

Internal bubble level for accurate installation

Gauge designed and developed in conjunction with TerraData, Wallingford, UK, and manufactured and marketed under licence..  
Registered Design Number 30096