



SKYE INSTRUMENTS LIMITED
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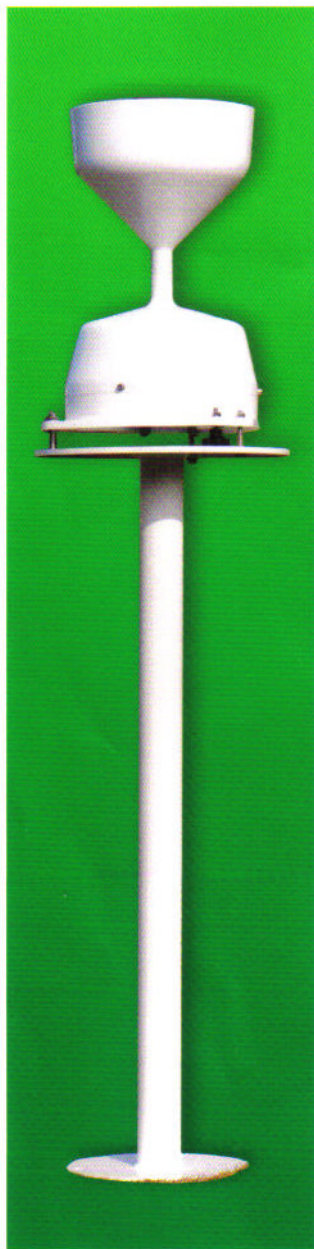
THE SBS ALUMINIUM RAINGAUGE



- 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 TIP

SBS RAINGAUGE

The SBS Rain gauge benefits from the company's extensive experience in the manufacture and marketing of aerodynamic rain gauges over a period of 15 years; plus, also, the research and development expertise of Dr. Ian Strangeways of TerraData, a renowned international expert in rainfall measurement techniques. The SBS rain gauge is the result of over 3 years extensive fieldwork carried out by Dr. Strangeways into determining the optimum design of rain gauge 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 of the SBS rain gauge increases rainfall catch and measurement accuracy by minimising out splash and reducing evaporation losses.



The funnel of the gauge is made from 2 mm 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 1LX single channel data logger which sits neatly inside the base of the rain gauge. 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
SBS100H	0.1mm tip gauge with 1000sq.cm collector and heater

TECHNICAL DETAILS

Funnel Rim Height	: 440mm
Output	: Contact Closure
Reed Contact Rating	: 50 Watts (DC resistive)
Reed Supply Voltage	: 100V DC maximum
Reed Supply Current	: 1A Max
Weight	: 6kgs



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 when internal enclosure temperature falls to 1deg C and de-activated when temperature rises to 4deg C.

Gauge designed and developed in conjunction with TerraData, Wallingford, UK, and manufactured and marked under licence. Registered Design Number: 3009691



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