

rain gauge

SBS

rain gauge model SBS

The SBS is one of the first gauges to comply with the brand new British Standard for tipping buckets rain gauges - BS7843-3.2:2005. This incorporates a requirement that the funnel shall slope down for 45 degrees to the collector for a minimum of 100mm in order to keep out splash to an absolute minimum. Our plastic ARG100 rain gauge is generally recognized as one of the most accurate rain gauges in the industry, the design requirements of BS7843 mean that the SBS is even more accurate.

The gauge is optimized for accurate rainfall measurement in all climatic conditions irrespective of wind speed and type of precipitation. 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 powder coated spun aluminium while the base is made in LM6 marine grade aluminium. As a result the gauge can be installed in extremely hostile environments. Optional internal heaters are also available for cold climate installations.

The gauge is available with 0.2mm tip, 500 cm² collector (the SBS500) or 0.1mm tip, 100 cm² collector (the SBS1000).

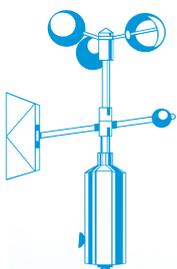


TECHNICAL SPECIFICATIONS

Operating temperature	-30°C to +55°C	
Funnel rim height	40mm	Heated version - supply current:
Output	contact closure	12V supply - heaters off - 12mA typical
Reed contact rating	50 watts (dc resistive)	- heaters on - 2.2A typical
Reed supply current	100VDC maximum	
Reed supply current	1A max	24VDC supply - heaters off - 15mA typical
		- heaters on - 1.1A typical
Weight	6 kg	
Accuracy (typical)	98%+ at 20mm per hour	heating activated by internal thermostat when
	96%+ at 50mm per hour	temperature in enclosure drops to 1°C and
	95%+ at 120mm per hour	de-activated when temperature rises to 4°C
	0.1mm of beter bij 5mm per hour	

Internal bubble level for accurate installation

made to measure



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