

REMOTE RAINFALL MONITORING MSFM-RAIN/GPRS

Detectronic Remote GPRS Tipping Bucket Raingauge incorporates a high quality robust, reliable, precision measuring device and Detectronic's MSFM 2G/ 3G/UMTS GPRS Data Logger.

They combine to provide a fully automated transmission of rainfall data to Detectronic's remote hosting platforms.

CONSTRUCTION

The body and funnel of the raingauge are made from an aluminium alloy with a machined septum ring at the top giving an aperture of 400cm².

The tipping bucket mechanism is mounted on an alloy base and incorporates a built-in spirit level to aid levelling.

All measurement processes comply with the 'Guide to Metrological Instruments No. 8 of the WMO'.



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FEATURES

- Proven GPRS data transfer and collection platform
- 2G/3G/UTMS compatible modem
- Worldwide operation
- Data compatible with SSAS and DetecDataPro
- Catchment area of 400cm²
- Resolution of 0.2mm
- Accuracy 1 percent at 26mm/hour
- Integral spirit level for levelling

TECHNICAL SPECIFICATION

Bucket size: 0.2mm
 Catchment area: 400cm²
 Accuracy: ± 1 percent @ 26mm/hour
 Resolution: 0.2mm/hour
 Capacity: unlimited
 Operating temperature: +1°C to +85°C
 Weight: 14.5kg (including base plate and MSFM data logger)



Levelling the Raingauge on uneven ground



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SUPPLY

INSTALL

MAINTAIN

MONITOR

ANALYSE

REPORT