

TIPPING BUCKET / RAIN GAUGE

DESCRIPTION. The Tipping Bucket Rain Gauge is recognised as the standard for measuring rainfall and precipitation in remote and unattended locations.

The unit consists of a 200mm diameter collector funnel, a stainless steel filter and a tipping bucket mechanism. The bucket tips when precipitation of 0.2mm has been collected. Each tip is marked by a reed switch closure and stored on the Data Logger.

The gauge is supplied with a syphon for improved calibration. The syphon can be dismantled for routine servicing.

HOW IS IT USED. Logging Rain Gauge model MEA2210. A Data Logger with 128k memory capacity can be located inside the body of the rain gauge to automatically record rainfall events. With its



extensive memory, many months of

data can be collected between data retrievals. The Data Logger is powered by an internal battery pack. The Data Logger and data are managed by MEA's powerful Magpie software program.



SPECIFICATIONS

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| Receiver | 200mm±0.3 diameter with machined aluminium rim |
| Sensitivity | One tip at 0.2, 0.5, 1.0mm or 0.01 inch |
| Measuring range | 0-700mm/hr |
| Measuring accuracy | ±2% 25 - 500mm/hr |
| Bucket size | 0.2, 0.5, 1.0mm or 1" (to be specified when ordering) |
| Cable length | 10 metres |
| Sensor | Tipping bucket with syphon |
| Contact system | Dual reed switch (make contact) |
| Contact capacity | 12VA (0.5 amp max.) |
| Contact time | 0.1 second |
| Height | 342mm |
| Weight | 3kg |
| Packed dimensions | 4.2kg, 0.03m ³ |