

TB4 Tipping Bucket Rain Gauge

METEOROLOGY

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General Description

The HyQuest Solutions Tipping Bucket Rain Gauge is recognized as the world standard for measuring rainfall and precipitation in remote and unattended locations. Based on Australian Bureau of Meteorology specifications, the gauge offers an integrated syphon mechanism which delivers high levels of accuracy across a broad range of rainfall intensities.

The gauge consists of a collector funnel with leaf filter with an outer enclosure complete with quick release fasteners with the base housing the tipping bucket mechanism. The unit includes a dual output 24V DC reed switch with varistor protection as well as dual rainfall discharge outlets for water collection and/or analysis.

Main Features

- World standard 200 mm diameter catch
- Accuracy not affected by rainfall intensity
- Long term stable calibration

- Minimal maintenance required
- Used world-wide in a range of hostile environments

Resolution

The following resolutions are available

- 0.1 mm
- 0.2 mm
- 0.5 mm
- 1.0 mm
- 0.01 Inch

Accuracy

0-250 mm per hour +/-2%
250-500 mm per hour +/-3%

Range

700 mm per hour

Enclosure

Anodised and powder-coated aluminium

Base

UV resistant plastic

Pivots

Stainless steel rolling bearings on stainless steel spring axle

Bucket Material

Available in
bainted brass
OR chrome
plated ABS

Dimensions

310 mm (H)

Mass

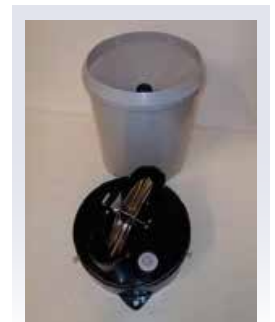
2.1 kg

Operating Temperature Range

-20°C to +70°C

Humidity

0 - 100%



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