

# Designed for Reliability ...

Model TB3 Tipping Bucket Rain Gauge

METEOROLOGY

METEOROLOGY

## GENERAL DESCRIPTION

The HyQuest Solutions Tipping Bucket Rain Gauge is recognised 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 200mm 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:

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

### Receiver

200 mm ± 0.3 diameter

### Accuracy

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

### Range

700mm per hour.

### Enclosure

Powder-coated aluminium

### Base

Powder-coated aluminium

### Pivots

Ground sapphire pivots with hard stainless steel shaft

### Bucket Material

Available in painted brass OR chrome plated ABS



### Dimensions

330mm (H)

### Mass

3.3kg.

### Operating Temperature Range

-20°C to +70°C

### Humidity

0 -100%

## Contact Us

### General Enquiries (Australia)

Phone: +61 2 9601 2022

Email: sales@hyquestsolutions.com.au

Web: www.hyquestsolutions.com.au

### General Enquiries (New Zealand)

Phone: +64 (0) 7 857 0810

Email: sales@hyquestsolutions.co.nz

Web: www.hyquestsolutions.co.nz

