

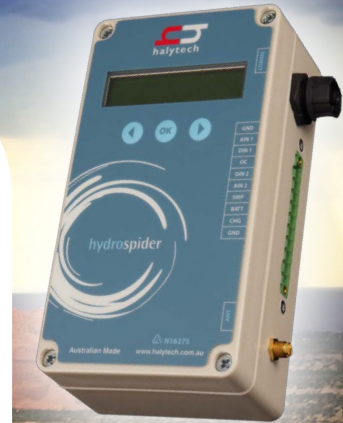
# HydroSpider2

*Compact, Reliable Telemetry & Logging for Rain and Water Monitoring*

The **HydroSpider2** is a rugged, low-power datalogger and telemetry device designed for **environmental and hydrological monitoring**. It supports a wide range of sensors and communication options, ensuring reliable performance in remote and harsh environments.

Engineered for simplicity, the **HydroSpider2** features a quick setup process and a long **battery life of up to 7 years\***, helping reduce ongoing operational costs. Housed in a compact **IP60-rated** enclosure, its small size makes it suitable for a variety of environmental and industrial monitoring applications including **TBRG** units.

*\*Based on an average of 1-hour logging periods, weekly reports, and 2 alarms per week using the LTE Cat-M1 network. (increased reports will affect battery life)*



## TBRG Integration

The **HydroSpider2** was specifically designed to integrate effortlessly into **Tipping Bucket Rain Gauges (TBRGs)**, providing a compact, all-in-one solution for rainfall monitoring. By fitting entirely within the **TBRG** including the external battery, there is no need for an additional enclosure, dramatically reducing both **installation time and costs**.

## How HydroSpider Works

### 1 Deploy & Install

Deploy HydroSpider2 in the field, attaching your sensors and securing the unit in place.

### 2 Connect & Configure

Configure locally using the LANLink cable and a computer via web browser. No special software required.

### 3 Monitor & Report

HydroSpider2 automatically collects and transmits data. Alarms can be set to notify you of critical changes, and reports are delivered on schedule.

### 4 Analyse & Optimise Data

HydroSpider2 provides you with actionable data for decision-making, ensuring compliance and enhancing water management strategies.



# Applications



## Environmental Monitoring

Track rain, surface and groundwater levels and quality with precision.



## Water Resource Management

Ensure sustainable water use and meet regulatory compliance.



## Research & Science

Ideal for long-term water and rain monitoring in scientific studies and environmental projects.



## Your Complete TBRG Solution

### Quick & Cost-Effective Deployment

No need for bulky or expensive external enclosures. HydroSpiders compact, robust design ensures **minimal setup time** and **immediate operation** where it's needed.

### Proactive Alerts & Monitoring

Monitor *surface and groundwater levels, temperature, and quality* with high-precision sensors. **HydroSpider2** has the capacity to store **over 400,000** records locally, with automatic report delivery via **SMS, email, or FTP**.

### Customisable Data Reporting

Choose from **4G, LTE-M1, NB-IoT, or Iridium** satellite communication, ensuring reliable connectivity, even in remote areas with poor reception.

### Compact & Durable

Set up automated **SMS** and **email** alerts for critical changes in rainfall or water conditions. Customisable reporting intervals to ensure data is delivered when you need it, whether that's daily, weekly or even during every event (*bucket tip*).

### Multi-Sensor Compatibility

**HydroSpider2s** compact size makes it suitable for discreet installation inside of a **tip-ping rain bucket gauge**, reducing installation costs associated with rainfall monitoring solutions.

## Discover the HydroSpider Advatage

✉ [sales@halytech.com.au](mailto:sales@halytech.com.au)

☎ +61 2 8814 5235