

Designed For Reliability...

TB1L/70 DUAL TIPPING BUCKET FLOW GAUGE

WATER FLOW/SURFACE WATER

General Description

The HyQuest Solutions Dual Tipping Bucket Flow Gauge is used for measuring water seepage coming out of a pipe or a drain. The unit comes with 2 x Dual reed switches, thus, when connected to a HyQuest Solutions data logger, the data can be stored and collected at 70ml resolution and at 0.5L or 1.0L resolution. Hence, this will increase the accuracy of the flow gauge at both high and low flows. In addition, the flow gauge can be telemetred by connecting one of the HyQuest Solutions data loggers.

Features

- Non-Corrosive, Robust PVC & Stainless Steel Construction
- 2 X Dual Reed Switch
- Suitable for Pipe Flow Measurement and water drain measurement
- Bucket Tip Volumes can be between 0.5 Litre and up to 1.0 Litre
- Suitable for Harsh Environment

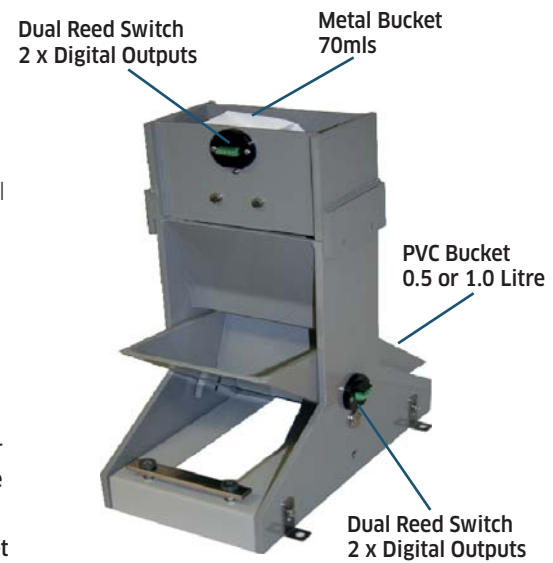
Specifications

- Material: PVC Plastic and Stainless Steel
- Resolutions:
 - 70ml for the metal bucket on the top of the gauge up to 6L/minute
 - 0.5L or 1.0L for the PVC bucket

Note: both buckets operate simultaneously up to 6L/minute, to provide the user with accurate results specially at low flow where the 1L bucket is not full to tip a more accurate results can be obtained from the 70ml bucket reed switch output. Each Bucket has one reed switch with dual digital outputs that can be connected simultaneously to a data logger or a telemetry system. When the flow is greater than 6L/minute the 70ml bucket has to be removed (please refer to manual).

- Accuracy:

Flow Rate	%Error
0.5 litre/min	-2%
1.0 litre/min	-6%
5.0 litre/min	-10%
10.0 litre/min	-14%
15.0 litre/min	-18%
20.0 litre/min	-20%
25.0 litre/min	-22%



**Model TB1L/70
Dual Tipping Bucket Flow Gauge**

- Reed Switch: 2X dual reed switches potted in soft silicon rubber with varistor protection.
 - Max Capacity: 24 VDC (0.5 amp max)
 - Resistance: Initial contact resistance 0.1Ω
 - M.T.B.F: 10⁸ to 10⁹ Operations
- Flow Rate: Maximum 25 litres/minute
- Dimensions: 570x400x220 mm
- Weight: 6Kgs
- Packed Weight: 7Kgs

Contact Us

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