

# BAP Equipment Ltd

## Stream Flowmeters

### Advanced Flowmeter

The LCD display on this instrument gives an average velocity in m/s or mph for WATER or AIR according to the sensor type connected and to the switch settings. **There is no need to time your measurements using this instrument; nor do you have to use a calibration chart.** To operate the instrument:

- Select either a stream flow impeller or an anemometer
- Insert the jack plug from either into the socket. Having inserted the jack plug the locking collar should be screwed up **NO MORE THAN BARELY FINGER TIGHT**
- Select “WATER” or “AIR” and “mph” or “ms-1” with the rotary dial
- Initiate motion of the sensor in the water or air as appropriate
- Switch the instrument ON using the slide switch on the left side of the unit

The display should read “00.00” and there will be a flashing colon between the 00’s. If the colon does not flash, replace the battery.

When using the impeller stick, the display will not change for 10 seconds, after which an average velocity will be shown in the units selected (mph or ms-1). This delay is known as the Integrated Time. The value shown will be held for 2 seconds (no flashing colon) then for a further 10 seconds until a new average is obtained. Naturally, a number of averages should be obtained to build up a full picture of flow rates at each point. When the anemometer is being used, the Integrated Time is just 5 seconds. Comes complete with PVC pole mounted with an impeller which collapses into four sections for easy storage and carrying, three stream bed elevation rods, protective carrying pouch for counter, weather-proof storage case, instruction manual, and comparison charts. Materials: PVC impeller poles, stainless steel impeller shaft, plastic impeller. Dimensions: Overall pole length: 3.3’. Four individual sections: 9.8” each. Cable: 3.3’. Elevation rods: 9.8”, 4.9”, and 2.5”. Data Readout: LCD counter; 800 counts per minute; re-setting. Sensor Type: Magnetic. Range: Approximately 0.05m/sec to 8.0m/sec. Accuracy:  $\pm 7\%$ . Power: 1.9 Volt



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