



## EASYFLOW

### FAST AND EASY GAUGING METHOD

- Gauging by tracer dilution method
- In few minutes
- On stream with a good swirling up to 50'000 l/s
- Operates with cooking salt
- Measure by integration of the salinity
- Non polluting tracer
- Recording and visualisation of the gauging curve on PC

Taking profit of the experience done with the **SalinoMADD**, **EasyFlow** is a simple-to-use gauging device for users who occasionally effectuate flow measurements and don't want to do a too big investment.

It permits to realize in few minutes the measurement of the flow of a stream thanks to the **tracer dilution method**.



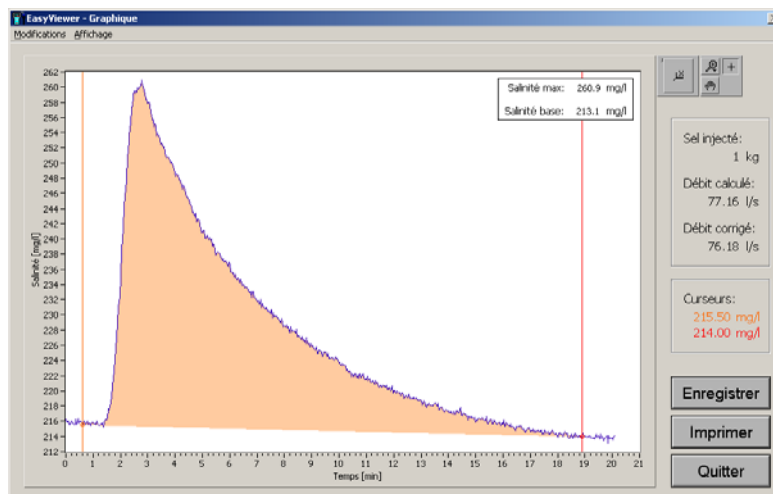
#### THE TRACING

The conductivity probe is placed into the watercourse. Upstream, at a sufficient distance to assure a good mix of the tracer in the water, a known quantity of salt is injected, beforehand diluted in stream water into a container (about 10 grams per l/s of estimated flow). During the passing of the salt cloud, it records the salinity values of the water. When this cloud has passed, the flow of the watercourse is calculated and displayed in litres by seconds.

#### SOFTWARE EASYVIEWER

The software **EasyViewer** for PC is furnished with the **EasyFlow**. It permits the downloading of measurement data, then the visualisation and the processing of the gauging curve. Additional information as the limnimetric height can be also saved with data in file.

To verify the efficiency of the gauging, the recorded data in the **EasyFlow** can be uploaded into a PC. Then it is possible to visualise these data graphically. Some tools are available to recalculate the flow measurement by changing parameters or to print the result and the curve as presented below.



## TECHNICAL SPECIFICATIONS

Device	
Gauging range	0,1 l/s to 99'900 l/s
Gauging accuracy	< 5 % (with optimum mix of tracer)
Gauging repeatability	± 1%
Tracer type	Cooking salt (NaCl)
Tracer quantity	10 g to 100 kg of salt
Tracer ideal mix	Between 5 and 20 g of salt per l/s of estimated flow. (Ex : ~300 l/s -> 2 kg)
Supply	3 x 1,5V alkaline batteries, AA, LR6 type
Autonomy	About 100 hours under normal conditions
Communication	Serial link RS-232
Dimensions / weight	Complete bag : 260 x 190 x 130 mm / 1240 g Device with probe : 230 x 150 x 80 mm / 620 g
Waterproof	IP65

Salinity	
Measuring range	0 to 3200 mg/l
Sensitivity	1 mg/l
Precision	< 1 %
Temperature	
Measuring range	0 to +40 °C
Precision	± 0,2 °C

**MADD TECHNOLOGIES** can change these specifications without warning