



NON-INVASIVE FISH FARM FLOW MEASUREMENT

MEASUREMENT TASK

Katronic non-invasive, clamp-on flow metering has been used to monitor water flow within a leading fish farm. Ocean Matters is a pioneering business, offering a sustainable and eco-friendly approach to minimise the use of medicinal chemicals in salmon farming. They breed lumpfish, or lumpsuckers, a 'cleaner' species that just loves to pick the sea lice from farm salmon, eating up to 100 at a time. At Ocean Matters' bio-secure facility in North Wales, nothing is left to chance, so they needed a flexible way to monitor water flow between the fish tanks and the filter systems through PVC pipes.

SOLUTION

Unique live fish producer Ocean Matters needed to monitor and log fish farm filter and tank performance to help guarantee an optimum environment for healthy fish by measuring water flow through PVC pipes. A KATflow 200 portable non-invasive flowmeter was selected. Compact transducers fit to the pipes using a simple chain clamp, and connect to the battery-powered KATflow 200. The flow is measured and can also be logged to allow later analysis. Commenting, Ocean Matters Farm Supervisor Dave Jones said, 'We have been really pleased with both the simplicity of operation of the Katronic meter, and the support we received from the office in Coventry. Key for us was that the meter worked well on our PVC pipes, and it has been excellent.'

ADVANTAGES

- Quick and easy installation
- Possibility of measuring different pipe materials and diameters
- Reliable measurements on PVC pipe
- Large data logger up to 100 000 measurements
- User-friendly operation
- Easy to transport within the entire farm

SPECIFICATIONS

Installation type	Portable
Medium	Filter water
Pipe material	PVC
Pipe diameter	100 mm
Temperature	Ambient

APPLICATION



Ocean Matters used the portable KATflow 200 to monitor the water flow.

INSTRUMENT SOLUTION



The KATflow 200's simplicity of operation made it the perfect tool for Ocean Matters.