

CLAMP-ON FLOW MEASUREMENT RENTAL A KEY TOOL FOR PROCESS ENGINEERING CONSULTANTS

MEASUREMENT TASK

UK's leading process engineering consultants and project managers Addison Project need to investigate and gather flow information to support project proposals and as part of verification protocols during project sign-off phases. Because these are occasional requirements, Addison Project need a reliable rental option to meet their demands.

SOLUTION

A KATflow 230 portable ultrasonic flowmeter — rented when required — gives Addison Project the flexibility they want, and Katronic supply the unit with the correct transducers, fitted and configured to the application. A clamp-on meter is non-invasive, so that production plant is not interrupted, and hygienic processes are not compromised.

Recent applications have included a small-bore stainless steel pipe in a chemical dosing facility. The project objective was to improve plant infrastructure to reduce chemical usage across the site, so Addison needed to directly benchmark flow rates and volumes. Given the nature of the chemicals, it was a significant benefit to be able to do that non-invasively, without breaking into or interrupting the dosing process.

Another example followed system improvements on a hygienic CIP plant, where Addison Project validated the project in part by measuring flow velocities and flow rates using a KATflow 230. Again, the hygienic nature of the process made it critical that there should be no break-in to the system.

Derek Jones, Process Engineer at Addison Project, said, 'We appreciate the flexibility that renting the flowmeter gives us. We know the equipment now, it's really straightforward to fit and use and Katronic give us great backup when we need to adjust settings.'

ADVANTAGES

- Convenient equipment rental for project-related requirements
- Application pre-configured flowmeters and transducers
- No higher safety effort through non-invasive measurements
- Suitable for all pharmaceutical process liquids and chemicals
- Simple set-up and operation of the measuring system
- Technical support when required

SPECIFICATIONS

Installation type	Portable
Medium	Varies (chemicals, water etc.)
Pipe material	Varies (stainless steel etc.)
Pipe diameter	Varies (from DN 10)
Temperature	Varies
Flow rate	Varies

APPLICATION



Flow measurement with a KATflow meter is performed without process interruption, clean and safe.

INSTRUMENT SOLUTION



The flowmeter and transducers arrive ready to run and pre-configured to the application.