



MEASUREMENT TASK

Katronic was contacted by De La Rue Currency, the world's largest commercial security printer and papermaker when they needed an accurate way of measuring water flows in their production processes to diagnose problems and identify potential process optimisation.

The company was looking for the best solution to measure the water flows of the paper-machine dilution as well as the stock, sealing and flushing water flows. The customer demanded these measurements to be taken without the breaking into pipes or disrupting the ongoing processes. Additionally, as the identified locations where spread throughout the plant De La Rue required an instrument that was easily portable and quick to install.

SOLUTION

The solution proposed by Katronic was the simple but powerful KATflow 200. This light and compact flowmeter meant that measurements could be taken at all areas of production as they were all carried out non-invasively. According to Daniel O. Smith, Project Engineer at De La Rue Currency, the KATflow 200 was “small, lightweight, robust, easy to setup and very clear to read”.

This product proved to be an excellent investment as not only did it provide reliable process data it also contributed to significant cost savings. As Mr Smith pointed out “the flowmeter has allowed us to carry out water saving, and system re-balancing projects that have saved us time, money and raw materials, based on its ability to easily quantify flows around plants”.

Furthermore, Katronic could demonstrate its strength in providing outstanding customer service and great value for money as the customer highlighted the “fantastic, speedy delivery, very friendly and knowledgeable staff” and considers Katronic as “a company that offers excellent value”.

ADVANTAGES

- Simple, quick and cost-effective installation and measurement
- No need to interrupt ongoing production processes
- Ensuring long-term cost savings by delivering flow surveys
- Capable of measuring the flow on pipes with various diameters and flowing liquids
- Easily portable throughout the whole plant
- Robust, reliable and accurate instrument

SPECIFICATIONS

| | |
|-------------------|------------------------|
| Installation type | Portable |
| Media | Water, Dilutions |
| Pipe materials | Steel, stainless steel |
| Pipe diameters | 10 ... 400 mm |
| Temperature | Ambient |
| Flow range | 10 ... 1,000 l/min |

APPLICATION



The security printer De La Rue Currency and paper maker, needed an accurate way of measuring flows in their production process.

INSTRUMENT SOLUTION



Hand-held ultrasonic clamp-on flowmeter KATflow 200 proved to be the ideal instrument for the application.