

Contactless flow measurement at the Molson Coors Brewing Company plant in the UK. In order to carry out test measurements, the flowmeter had to be portable and suitable for various pipe diameters and liquids.

Specifications

- **Installation Type:** Portable
- **Flow Channels:** Two
- **Mediums:** Water, Beer, Detergents
- **Pipe Material:** Stainless Steel
- **Pipe Diameters:** Various
- **Flow Velocities:** Various
- **Temperature:** Various

Application



Molson Coors with their famous beer brands Carling™ and Grolsch™ have decided to use a portable ultrasonic clamp-on flowmeter from Katronic Technologies to monitor brewing and cleaning processes as well as thermal energy consumption.

Instrument Solution



KATflow 230 portable flowmeter. Ideal for advanced spot measurements such as monitoring the fluid's temperature change.

Measurement Task

Molson Coors Brewing Company was looking for a reliable, robust and accurate method for monitoring the performance of their brewing, cleaning and energy processes.

For a long time the engineers at Molson Coors Brewing Company realised that they had no method of verification of their existing in-line flowmeters, or for measuring pipelines where flow metering was absent.

This was of particular importance on the clean in place entries and on the water supply pipes where the system had been in operation for a very long time. That also applied to the plant's effluent outflows where strict environmental standards have to be met.

Solution

The solution came in form of a portable ultrasonic clamp-on flowmeter similar to the hand-held KATflow 230. The very nature of having a portable flowmeter meant that it was possible to carry out a complete survey of the various pipelines in the production process.

As all measurements were carried out non-invasively, it ensured that there was no need to interrupt on-going production processes and no risk of contaminating the flowing liquid.

Furthermore, as the flowmeter can be programmed and the sensors installed very easily and quickly, several pipelines could be measured in a very short period of time.

Leading engineers of the supplied plant were "highly satisfied with the high specification of the unit, the ease of use and the excellent build-quality of both the sensors and the electronic transmitter".

Advantages

- **Simple, quick and cost effective installation and measurement**
- **No need to interrupt on-going production processes and no risk of contaminating the flowing liquid**
- **Capable of measuring the flow on pipes of various materials (all common metals, plastics and more) and diameters**
- **Easily portable throughout the whole plant**
- **Robust, reliable and accurate instrument**

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