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## **Case Study, Sonic Driver Ltd, Ultrasonic clamp-on flowmeters, University of Warwick, Chilled Water System, near Coventry.**

Preliminary trials with the Sonic Driver Ltd Pocket handheld clamp-on ultrasonic flowmeter on the chilled water supply at one of the University of Warwick's new buildings were undertaken successfully.

Within a few minutes of removing a small area of insulation from the 114 mm diameter steel pipe, the engineers were able to quickly confirm the wall thickness measurement of 5.1 mm (using the meter's wall thickness gauge functionality) and the flow was measured using the Pocket handheld flowmeter.



Readings were consistent with expectations and gave the engineers confidence that the flow rate of chilled water was within the expected values.

Future tests will involve fitting a datalogging clamp-on flowmeter with datalogging and heat metering capability, collecting the data over a number of weeks and analysing the flow rate and cooling provided to a number of valuable assets.