

# APPLICATION NOTE

## NYSE LONDON

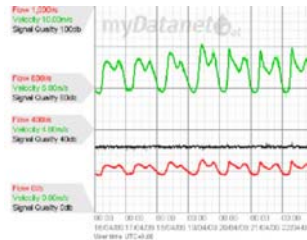
### MINISONIC P PORTABLE CLAMP ON ULTRASONIC FLOWMETERS - FROM ULTRAFLUX

#### BACKGROUND:

NYSE have a large staff and trading facilities in London. The building has to supply services to the staff and also to the IT infrastructure in the form of electricity, water, air conditioning, heating circuits, chiller circuits etc.

The company trade billions of dollars every day though the London office. The infrastructure behind the trading is crucial to the business and has to be kept online.

The company has started to bill individual departments for supplied services and all departments are accountable for individual spending.



Date/Time	Flow (l/s)	Velocity (m/s)	Signal Quality (dB)	ESR level
29/04/2009 15:04:00	217	6.91	32	-25
29/04/2009 15:05:00	217	6.91	32	-25
29/04/2009 15:06:00	217	6.91	32	-25
29/04/2009 15:07:00	217	6.91	32	-25
29/04/2009 15:08:00	217	6.91	32	-25
29/04/2009 15:09:00	217	6.91	32	-25
29/04/2009 15:10:00	217	6.91	32	-25

#### THE PROBLEM:

To ensure the smooth running of the cooling and heating circuits, there needed to be a way of checking flows and temperatures within the building. The unit had to be able to provide information that could be used for checking on the performance of pumps, for balancing circuits and valve positions.



#### FLOWLINE'S METERING SOLUTION:

Flowline's' solution was to offer our clamp on meter portable ultrasonic meter from ULTRAFLUX.

The MINISONIC P can be installed and set up in a very short space of time, without the requirement to shut the flow or break in to the pipeline. The sensors are clamped on to the pipework, and the meter provides full self diagnostics confirming if the system has been installed correctly.

The meter provides flow and signal data, and can be directly linked to a pc to record all the flow rates and totals over days weeks and months.



#### Further Information



For Further information on the MINISONIC range of Clamp on Ultrasonic Flowmeters contact Flowline on 020 8207 6565

[www.flowline.co.uk](http://www.flowline.co.uk)  
[sales@flowline.co.uk](mailto:sales@flowline.co.uk)

#### EQUIPMENT DESCRIPTION:

##### EQUIPMENT SPECIFICATION:

MINISONIC 600 pipe i. d. up to 600mm,  
 Single/Dual Channel/Chord Options.  
 Probe Types, Clamp On and Wetted.  
 Outputs, 2x 4-20mA, 2 relays for alarm, flow direction, flow threshold, Totaliser, fault, RS232 and 485, JBUS-MODBUS Protocol.  
 Power Supply 10-30 VDC, 9-18 VAC, Consumption < 5W Typical Accuracy +/- 1% of reading, repeatability +/- 0.05%

Now available with ESC (Echo Shape Control), and the new high technology probes for difficult applications.

These meters now have an integral keypad, display and an incredible autofocus/noise rejection capability. Full user lists and references are available.

**flowline**  
 SPECIALISTS IN FLOW MEASUREMENT