



University of Bristol Anechoic Wind Tunnel

LS8

Equipment

Three Dantec hotwire CTA system (6 channels)

2D PIV, TR-PIV, pressure scanners, load cells,

Hotfilm CTA system (80 channels)

Source location microphone array (73 microphones)

Source location microphone array (83 microphones)

Mems-based microphone array (124 microphones)

Over 80 GRAS and B&K free-field microphones for far-field noise measurements

Several Kulite pressure transducers

Large number of in-house designed and fabricated unsteady pressure transducers (over 250), suitable for surface pressure fluctuation measurements

Four National Instrument DAQ systems, enabling simultaneous data collection of up to 160 channels

Several highly instrumented airfoils, and high-lift devices, cylinders, jet nozzles, etc.