

# DATA SHEET

## FastDAQ

### PRODUCT NAME

FastDAQ

### TYPE

Pressure Scanner  
and Data  
Acquisition Unit



**Fig. 1** Rear view of the FastDAQ with Trigger, USB, and power ports



**Fig. 2** Front view of the Vectoflow FastDAQ with four input ports

### DESCRIPTION

#### Compact all-in-one pressure scanner and data acquisition device

The *FastDAQ* is a compact, lightweight data acquisition device. It supports up to 16 channels which is equal to three 5-hole probes or four 4-hole probes. The *FastDAQ* can be connected to a computer directly via USB cable. As it possesses an NI 6210 USB acquisition unit inside, it can be easily controlled via National Instruments libraries.

Compatible with a wide range of fast response probes, including Vectoflow's *VectoFRAP* high-frequency probe, the *FastDAQ* integrates seamlessly into advanced aerodynamic test setups.

## GENERAL CHARACTERISTICS

<b>Supply voltage</b>	5V via a LEMO connector type 0B.307
<b>Trigger input</b>	2 BNC inputs to digital trigger (PFI0 and PFI1 on NI card)
<b>Probe connections</b>	Up to 4 probes (LEMO connector type 0B.309)
<b>Cables (included)</b>	1x 1.8 m LEMO FGG.0B.307 to USB Type A (computer interface and power)
	4x 10 m LEMO FGG.0B.309 extension cable (probe interface, 1 per probe)
<b>Dimensions</b>	235 mm x 130 mm x 50 mm
<b>Acquisition Card</b>	NI USB-6210
<b>Max. acquisition frequency</b>	250 kS/s (aggregate)
<b>Resolution</b>	16 bits