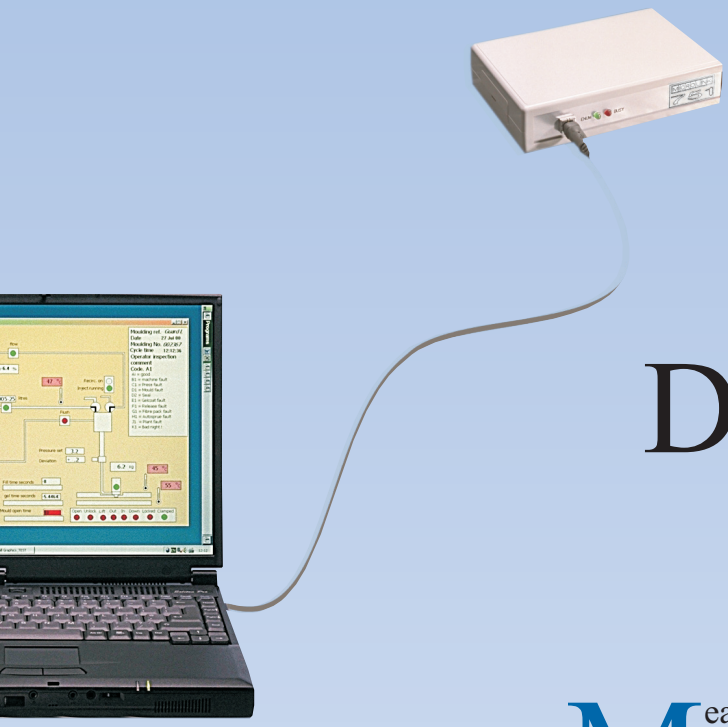

Plug and Go Data Acquisition

The Microlink 751 USB package

Measurement and control has never been so easy as with the Microlink 751. Just plug this compact unit into your PC's USB port, install the fully-featured Windmill software, and you are up and running in no time.

- ☑ Monitor voltage, temperature, strain, pressure, current…
- ☑ Switch digital outputs
- ☑ Monitor digital inputs
- ☑ Count events
- ☑ Chop, change and mix configurations
- ☑ Free: the powerful, ready-to-run Windmill 5 software for Windows
- ☑ No programming necessary
- ☑ Plug in and unplug as required: no need to switch off your computer or even restart Windows
- ☑ Connect 8 Microlinks to 1 computer, giving up to 128 analogue inputs, 256 digital inputs & outputs and 64 counters
- ☑ Powered from USB port: ideal for portable or in-vehicle data acquisition
- ☑ Low power consumption
- ☑ Automatic recalibration
- ☑ Integrating analogue-to-digital converter reduces noise
- ☑ Use Windmill software to select the resolution from 12- to 18-bit
- ☑ Automatic ranging to match the analogue input signal size
- ☑ Free technical support for life

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"It's easy to move my measurements between computers, and take my system on the road."

MICROLINK ENGINEERING SOLUTIONS

Microlink 751 USB Package

- ✓ Portable data acquisition
- ✓ Test and measurement
- ✓ Research and development
- ✓ Quality assurance
- ✓ Environmental monitoring
- ✓ Laboratory instrumentation

Microlink 751: Versatile, Expandable and Easy-to-Use

What is the USB?

Universal serial bus ports are found on most new computers. They are gradually replacing the familiar RS232 (COM) and parallel interfaces. You can use the USB to connect peripherals like digital cameras and printers, as well as the Microlink 751 data acquisition unit.

So, Just How Easy Is It?

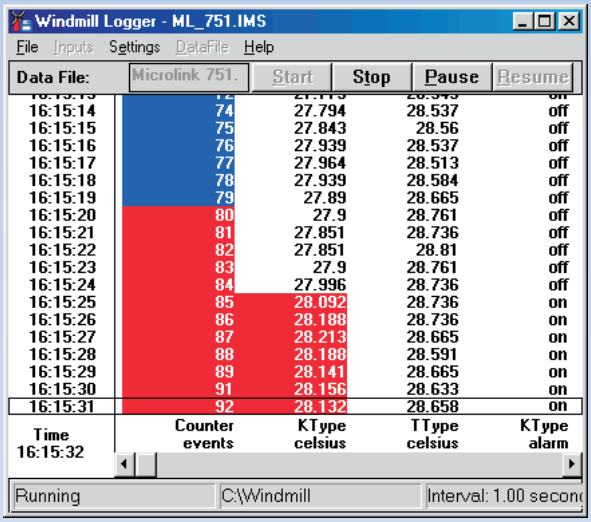
There are three steps to data acquisition and control.

1 Plug the 751 into your computer's USB port—no need to switch off your PC or even restart Windows.
2 Connect your sensors and signals to the Microlink: thermocouples, digital switches, rain gauges, etc.
3 Load the Windmill 5 software and you're ready to start logging, charting, counting and so on.

The combination of the elegant design of the Microlink 751, the ease of use of the universal serial bus and the exceptional Windmill software for Windows ensures a simple yet powerful system.

Windmill Software

This modular software suite offers data logging, charting, alarm indication, output control and DDE links to other applications like Excel. You can also add process mimic or virtual instrument generators, sequence control and many other modules. Should you wish to program the 751 yourself, the optional Windmill IML Tools will speed up the process for you. These work with any language supporting Active X, such as Visual Basic.



Excitation and Connections

Depending on your transducers, you may need extra hardware units and power supplies to make your connections. For example, for **thermocouples** you need a Microlink 593 unit which provides cold junction measurement. For **strain gauges** you need a 594 connection box and excitation supply. This supplies sufficient current to keep all bridge circuits energised and lets you accept normal, tensile, compressive and transverse gauges.

To order the Microlink 751 package, or to discuss your requirements, call now on +44 (0)161–834 6688. For more details visit our web site at http://www.microlink.co.uk/

Microlink 751 Specifications

Dimensions	180 x 120 x 40 mm
Operating system	Windows 98SE, Windows 2000, or later
Interface	USB

Digital Inputs and Outputs

Maximum # inputs	32 per 751
Maximum # outputs	32 per 751
(selected through Windmill in ports of 8 lines)	
Compatibility	TTL and 5 V CMOS (Can be made contact closure)
Range	0–5 V
Maximum I/O speed	160 channels per sec
Output capability	15 LSTLL loads

Counters

Maximum # counters	8 per 751
Resolution	16 bits
Compatibility	TTL and 5 V CMOS (Can be made contact closure)
Range	0–5 V
Maximum I/O speed	160 channels per sec

(The counters are on port 4 of the digital I/O lines—a count is always maintained, even when using port 4 for normal digital I/O.)

Analogue Inputs

Number	16 per 751	
Ranges	±0.01, ±0.1, ±1, ±10 V	
Resolution	Integration Time	Samples/Second
12 bits	2.5 msec	80
13 bits	5 msec	64
14 bits	10 msec	48
15 bits	20 msec	32
16 bits	40 msec	16
18 bits	160 msec	6

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