

# MultiLog



### Features

- ✓ Records up to 4 individual transducers
- ✓ Display digital values
- ✓ Real-time curve plotting of all measurement values on one screen
- ✓ Save all tests to memory
- ✓ Create presentable printouts including job details and company logo
- ✓ 16bit Sigma/Delta providing virtually noise free analogue to digital conversion
- ✓ High accuracy and resolution readings
- ✓ Robust design, built for Workshops
- ✓ Displays, records and generated PDF reports of graphs
- ✓ Touch screen with onscreen keyboard for data entry
- ✓ Calibration traceable to national standards
- ✓ User friendly, simple operation



### Description

The MultiLog workshop data logger is an industrial computer combined with the data acquisition electronics and power supply housed in a sealed IP66 diecast enclosure. The Infra-red touch screen allows data entry via an onscreen QWERTY keyboard even when hands are gloved. It also provides a clear display of digital measurement values and a scrolling xy graph.

Test reports are generated automatically in PDF format and are transferred onto a standard memory stick.

This system can be configured as a Pressure Test Recorder, Jar Test Recorder or Push/Pull Recorder.

This system is supplied in 3 parts;

1. *Harsh Environment Computer* –Includes data acquisition electronics in an industrial die-cast enclosure.
2. *Transducers* –Industrial specification
3. *Software* – provides real-time logging of transducers and displayed as digital calibrated engineering value and xy graph.



## MultiLog Touch Workshop Data Logger Specification

### Enclosure

Type:	Die-cast aluminium IP66
Size:	approx. 330 x 230 x 130mm
Rating:	n/a
Operating Temp:	-10 to +50 C
Controls:	onscreen QWERTY keyboard, on/off piezo switch with red lamp
Connections:	up to 4 transducers, power supply input, USB port
Power Supply:	rechargeable battery
Options:	can be mounted on panel, wall, or stand

### Display

Size:	10.4" Infra-red touch screen TFT
Resolution:	800 x 600
Brightness:	350 cd/m2
Viewing Angle:	70°
Format:	view as real-time graph or digital display

### Computer Hardware

CPU:	520 MHz
RAM:	64 Mb
SD Card:	2 Gb
Ports:	1 x USB Device "A"

### Electronic Interface

Input Channels:	up to 4, determined by client
Sample Rate:	1 per second
Resolution:	16 bit Sigma/Delta
Output Channels:	determined by client

### Real-Time Software on MultiLog

Platform:	Windows CE 5.0
Display:	view as real-time digital values or xy real-time scrolling graph
Interface:	onscreen QWERTY keyboard
Options:	input Operator, Job Ref, Assembly No., Serial No., and comments/ description



## MultiLog Touch Workshop Data Logger Specification

### Sensor Input/Output Examples:

#### ***EZ19xx Industrial Pressure Transducer***

Rating	Industrial Environment Specification
Pressure range:	up to 60kPSI
Pressure Resolution:	better than 1 PSI on 20kPSI sensor
Pressure Accuracy:	+/- 0.15% F.S.
Pressure Connection:	¼" BSP or NPT up to 10kPSI, 9/16 UNF High Pressure Female on high pressure
Signal:	4-20mA
Cable:	5 meters of LSZH cable c/w logger connector

#### ***EZ1938 Industrial Temperature Adapter***

Rating	Industrial Environment Specification
Temperature range:	PT100 calibrated for -50 to +150dEGc
Probe dims:	6 x 150mm c/w 2 mtrs cable
Signal:	4-20mA
Cable:	5 meters of LSZH cable c/w logger connector

**System supplied fully calibrated to UKAS standards**