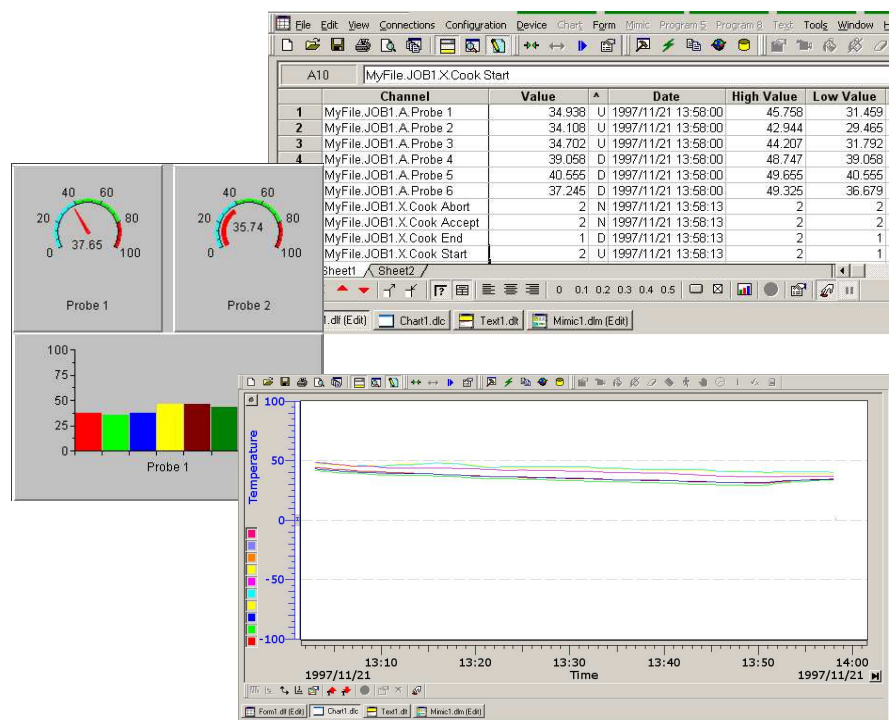


# Expert Data Acquisition, Display & Logging System



Low Cost - High Performance  
Expert Data Acquisition Modules  
Smart Tools Acquisition Software

## Smart Tools Software

- ◆ Real time chart & monitor displays
- ◆ Simple point and click configuration
- ◆ Create custom monitor pages and chart views including graphs, bar charts, form views
- ◆ Set and display rising, falling and out of band alarms on individual channels
- ◆ Scan rate 10 Hz to 1 hour
- ◆ Logging rate 1 second to 1 hour
- ◆ Logs data to CSV file on your hard disk. Data can be exported to Microsoft Excel, Word, Notepad, Lotus 123 etc.
- ◆ Network up to 64 modules
- ◆ Compatible with Windows 2000 & NT, XP

## Expert Data Acquisition Modules

- ◆ Modules available for volts, mV, 4-20mA, thermocouples, PT100 (RTD), strain gauges, frequency, pulse counters, digital I/P etc.
- ◆ High accuracy 0.05%
- ◆ 16 bit resolution
- ◆ DIN rail mounting, 122mm x 72 x 45
- ◆ 10-30 volt power supply
- ◆ Operating temperature -10 to +60 deg. C
- ◆ Multi or single channel units
- ◆ LED display option
- ◆ Network up to 64 modules on an RS485 loop
- ◆ Up to 1200 metres between modules
- ◆ Extended range using repeater modules

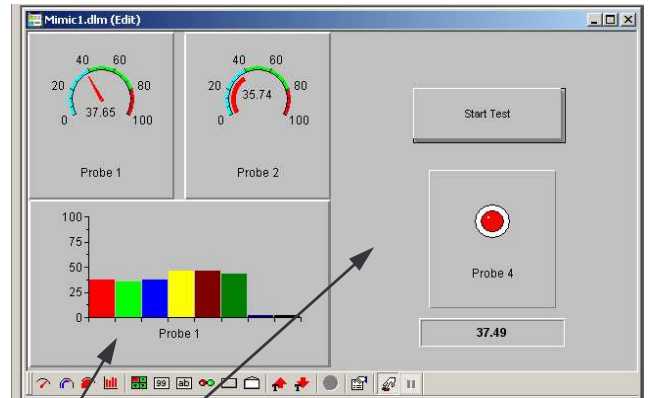
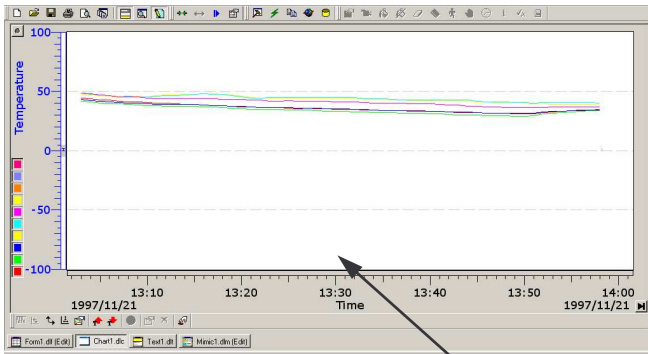
UK / Europe / USA Office  
Tel: +44 (0)8700 434040 Fax: +44 (0)8700 434045  
E-mails - [info@omniinstruments.co.uk](mailto:info@omniinstruments.co.uk)  
Suite E Ground Floor  
East Kingsway Business Centre  
Mid Craigie Trading Estate  
Mid Craigie Road, Dundee DD4 7RH UK



Web Site: [www.omniinstruments.co.uk](http://www.omniinstruments.co.uk)

Australia / Asia Pacific Office  
Tel +61 (0)894 888 960  
Fax +61 (0)894 888 965  
[info@omniinstruments.com.au](mailto:info@omniinstruments.com.au)  
PO Box 105, Leederville  
Western Australia, 6902

# Expert Data Acquisition, Display & Logging System



Log Data to CSV file

Create Scroll Charts, Bar Charts, Monitor Pages and Form Views of real time data.

Date	Time	Room Temp	Air Temp	Fan 1	Fan 2	Fan 3	Fan 4	Pump 1	Pump 2	Pump 3
27/03/01	21:41:04	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running
27/03/01	21:41:05	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running
27/03/01	21:41:06	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running
27/03/01	21:41:07	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running
27/03/01	21:41:08	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running
27/03/01	21:41:09	21.6	21.8	1	1	1	1	1 Running	1 Stopped	1 Running

Channel	Value	Date	High Value	Low Value
1 MyFile_JOB1.A.Probe 1	34.938	U 1997/11/21 13:58:00	45.758	31.459
2 MyFile_JOB1.A.Probe 2	34.108	U 1997/11/21 13:58:00	42.944	29.465
3 MyFile_JOB1.A.Probe 3	34.702	U 1997/11/21 13:58:00	44.207	31.792
4 MyFile_JOB1.A.Probe 4	39.058	D 1997/11/21 13:58:00	48.747	39.058
5 MyFile_JOB1.A.Probe 5	40.555	D 1997/11/21 13:58:00	49.655	40.555
6 MyFile_JOB1.A.Probe 6	37.245	D 1997/11/21 13:58:00	49.325	36.679
7 MyFile_JOB1.X.Cook Abort	2	N 1997/11/21 13:58:13	2	2
8 MyFile_JOB1.X.Cook Accept	2	N 1997/11/21 13:58:13	2	2
9 MyFile_JOB1.X.Cook End	1	D 1997/11/21 13:58:13	2	1
10 MyFile_JOB1.X.Cook Start	2	U 1997/11/21 13:58:13	2	1

Product	Specification	Price
Smart Tools Software	Windows data acquisition software, to display data from up to 4 Expert modules, with monitor, chart and form views. Software configures individual Expert modules, sets baud rate, scan & logging rate, logs data to CSV file. Additional cost per 4 modules	£195  £100
EX-9017/F Analogue Input Module	8 analogue inputs, configurable +/- 150mV, 500mV, 1V, 5V, 10V or 0-20mA. Accuracy 0.1%	£108
EX-9018/P Analogue Input Module	8 analogue inputs, configurable +/- 15mV, 50mV, 100mV, 500mV, 1V, 2.5V, 0-20mA, Thermocouple J,K,T,E,R,S,B,N,C. Accuracy 0.05%	£130
EX-9033 Analogue Input Module	3 analogue inputs, configurable RTD Pt, Ni 2/3/4 wire Accuracy 0.05%	£178
EX-9050D Digital Input Module	7 digital inputs, logic level 1 +3.5 +30V, logic level 0 +1V max	£ 63
EX-9520 RS232 to RS485Module	RS232 to RS485 conveter	£ 40
EX-9188 Embedded Controller Module	Available with a range of firmware options including 10Hz logging with 9017 modules, local data storage, SMS text messaging, and web publishing	£295

UK / Europe / USA Office  
 Tel: +44 (0)8700 434040 Fax: +44 (0)8700 434045  
 E-mails - info@omniinstruments.co.uk  
 Suite E Ground Floor  
 East Kingsway Business Centre  
 Mid Craigie Trading Estate  
 Mid Craigie Road, Dundee DD4 7RH UK



Australia / Asia Pacific Office  
 Tel +61 (0)894 888 960  
 Fax +61 (0)894 888 965  
 info@omniinstruments.com.au  
 PO Box 105, Leederville  
 Western Australia, 6902