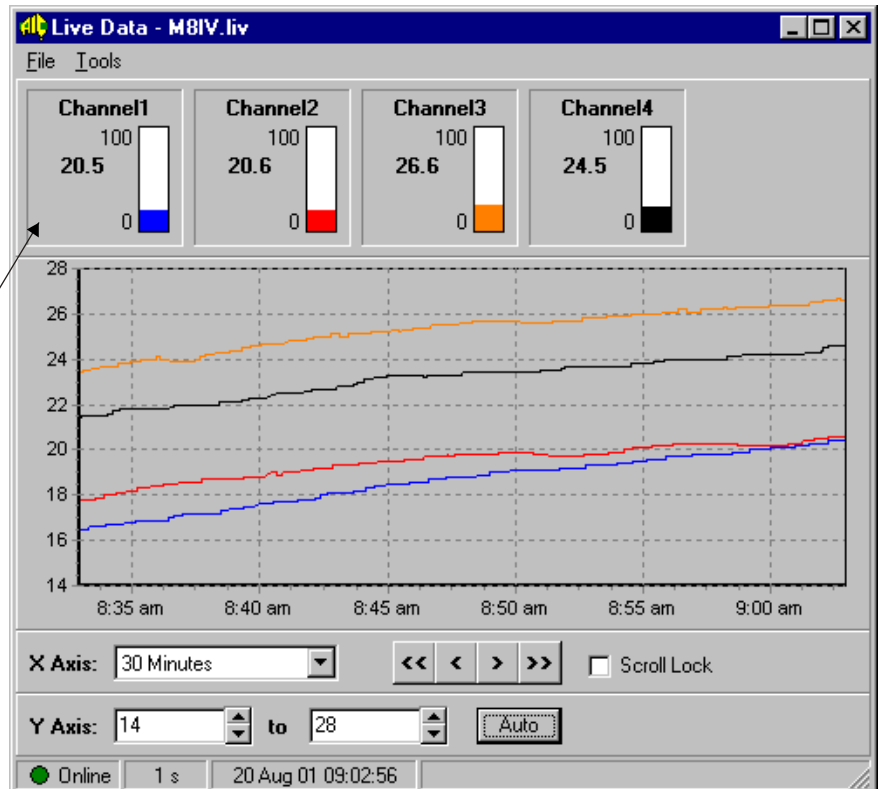


# Windows™ Compatible Logging & Live Reading Software

Typical live data display.

The user can choose automatic allocation of colours for graphs etc. or can manually select graph, chart & background colours, limits and names.

e.g. the bar graph named "Channel 1" could be renamed "Silo Weight" the bargraph ranged 0 to 35 tonnes and graph colours changed as illustrated below.



## Description

The download software is designed for use with PCs running Windows operating systems (95, 98, 2000, NT, XP, Windows 7 32 & 64 bit (not Vista)). The software allows downloading onto PC of data from any Amalgamated Instrument Co (AIC) instrument fitted with serial communications (optional on most instruments).

The software allows viewing of live data and data logging directly to a file using the computer's hard disk. The software also allows downloading and viewing of data from an internal data logger which is optionally available on some AIC instruments.

The data downloaded from internal data loggers can be displayed in table or graph form. If required data can be exported for use in a word processor, spreadsheet or database. The software is supplied as standard with inbuilt data logger instruments.

When RS485 communications are used, multiple instruments can be connected and viewed on the same display or setup for viewing on separate displays. An RS232 to RS485 converter (models PC485, RMSC485 or RMSI485) is available separately for use with RS485 communications.

The versatile setup procedure allows custom setup of instruments/channels displayed, graph colours, background colours etc. The software is supplied on CD ROM and installation is guided via an "Install Wizard" program for ease of installation.

## Features

- Single instrument, multi channel instrument or multiple instrument (up to 32) connection.
- Live data display in chart and/or line graph form.
- Data logging directly to a file on disk or downloading from optional internal data logger (32k or 128k internal data logger available on some models).
- The program can run "in the background" allowing work on other programs whilst still running.
- Choice of vertical bar, horizontal bar, needle or max/min live reading displays.
- Software supplied as standard with inbuilt data logger instruments.
- Live data updated in selectable time blocks or a "fast as possible" mode allows update as fast as the system allows, for a single instrument with high sample rates this can be up to 9 samples/second approximately.
- Software setup accomplished through Windows displays.
- Auto setup and instrument recognition available for some instruments (single connection only).
- Easily installed and configured.
- Connection to computer port with RS232 or RS485 via converter (factory configured).
- Data available in a format readily acceptable to major spreadsheet/database packages.
- Supplied on CD-ROM.

DLOAD-1.4-0

**AMALGAMATED INSTRUMENT CO PTY LTD**

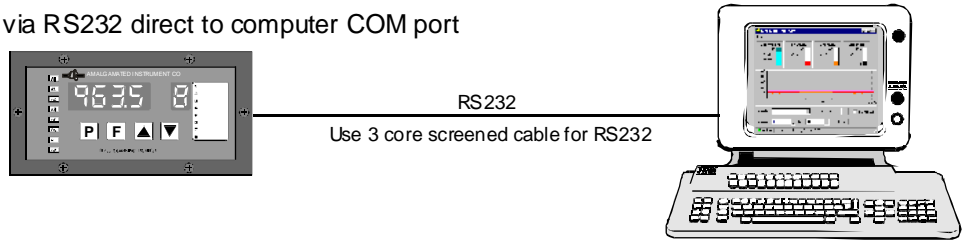
ACN: 001 589 439

Unit 5, 28 Leighton Place Hornsby  
NSW 2077 AUSTRALIA

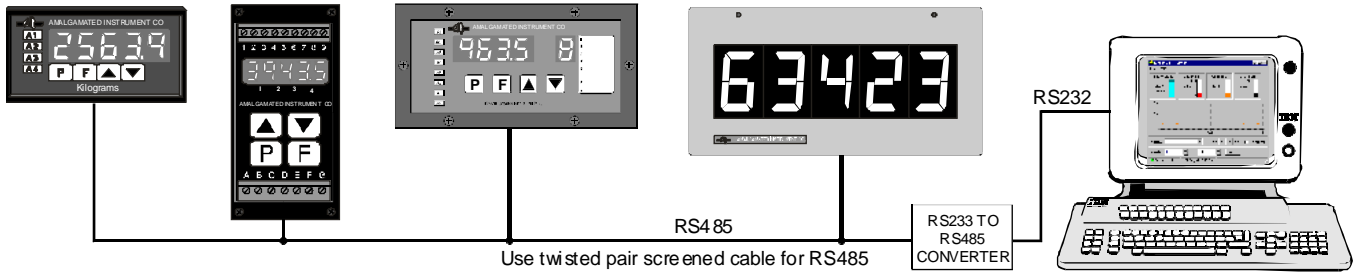
Telephone: +61 2 9476 2244  
Facsimile: +61 2 9476 2902

e-mail: sales@aicpl.com.au  
Internet: www.aicpl.com.au

Single instrument connection via RS232 direct to computer COM port



Multiple instrument connection (up to 32 instruments) via RS232 to RS485 converter to computer COM port. Instrument types can be mixed but must be manufactured by AIC.

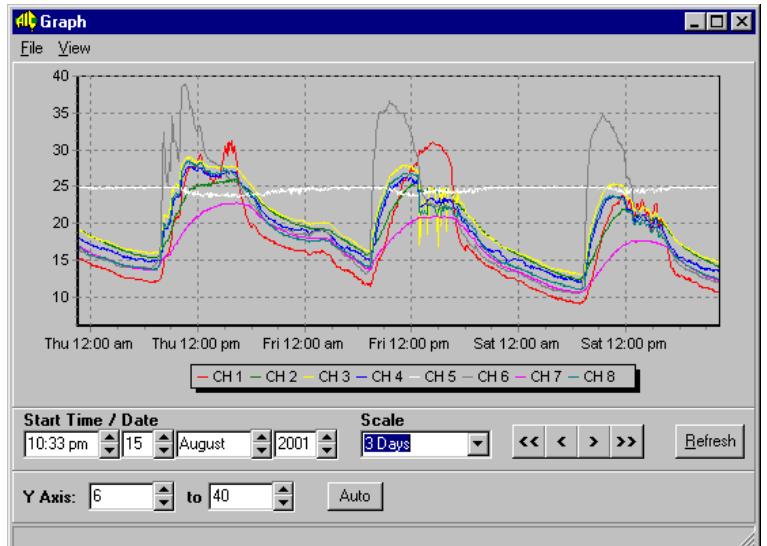


Typical internal data logger download listing

Time	Dev1_Ch0	Dev1_Ch1	Dev1_Ch2	Dev1_Ch3
9 Jul 01 16:00:00	19.8	22.8	23.9	23.9
9 Jul 01 16:10:00	18.9	22.6	23.4	22.6
9 Jul 01 16:50:00	17.8	22.6	30.7	22.9
9 Jul 01 17:00:00	17.8	22.5	23.5	22.8
9 Jul 01 17:30:00	17.5	22.3	23.3	22.6
9 Jul 01 18:00:00	17.4	22.4	24.6	23.1
9 Jul 01 18:30:00	16.5	21.8	23.2	21.5
9 Jul 01 19:00:00	16.1	21.1	21.6	20.7
9 Jul 01 19:30:00	15.7	20.7	20.5	20.3
9 Jul 01 20:00:00	14.8	19.9	19.7	19.1
9 Jul 01 20:30:00	13.7	19.1	18.5	18
9 Jul 01 21:00:00	12.9	18.4	17.5	17.1
9 Jul 01 21:30:00	12.5	17.7	16.7	16.6
9 Jul 01 22:00:00	12.1	17.2	16.2	16.1
9 Jul 01 22:30:00	11.7	16.7	15.9	15.6
9 Jul 01 23:00:00	11.4	16.3	15.7	15.3

Data Log File: i:\alan\tp488\SERIALNO.ddb

Typical internal data logger graph



Typical live data setup window

**Live Data Setup**

Channels: General

Channel List: Silo 1 Weight, Silo 1 Temp, Silo 2 Weight, Silo 3 Weight, Silo 3 Temp, Silo 4 Weight, Silo 4 Temp

Properties: Data

Channel Properties: Channel Name: Silo 2 Weight, Value: 8.8 tonnes

Panel Type: Vertical Bar

Instrument: M8IV: Sales Office (s/n: 13H01-00)

Min Value: 0.0, Max Value: 35.0, Dec Point: 1, Display Units: tonnes

Graph Settings: Display On Graph:  Scale Factor: 1

Typical channel setup window

**Channel Setup**

Instruments: General

Instruments List: Sales Office

General: List Name: Sales Office, Unit Address: 1, Supports AIC Binary Protocol:

Instrument Identity: Model: M8IV, Name: Sales Office, Serial Number: 13H01-00, ID No: 1

**Software order code:**  
SOFT-DL1

## Data logging table TP4-WT4

Time between logs	32k Memory	128k Memory
	days : hours : min	days : hours : min
10 Sec	0 : 04 : 39	0 : 18 : 37
20 Sec	0 : 09 : 18	1 : 13 : 13
30 Sec	0 : 13 : 57	2 : 07 : 50
1 Minutes	1 : 03 : 54	4 : 15 : 40
2 Minutes	2 : 07 : 48	9 : 08 : 20
3 Minutes	3 : 11 : 42	14 : 00 : 00
4 Minutes	4 : 15 : 36	18 : 16 : 40
5 Minutes	5 : 19 : 30	23 : 08 : 20
6 Minutes	6 : 23 : 24	27 : 01 : 00
10 Minutes	11 : 15 : 00	46 : 16 : 40
15 Minutes	17 : 14 : 30	70 : 01 : 00
20 Minutes	23 : 06 : 00	93 : 09 : 20
30 Minutes	34 : 21 : 00	140 : 02 : 00
60 Minutes	69 : 18 : 00	280 : 04 : 00

## Data logging table TP4-PH

Time between logs	32k Memory	128k Memory
	days : hours : min	days : hours : min
10 Sec	0 : 07 : 31	1 : 06 : 07
20 Sec	0 : 15 : 03	2 : 12 : 16
30 Sec	0 : 22 : 36	3 : 18 : 24
1 Minutes	1 : 21 : 12	7 : 12 : 48
2 Minutes	3 : 18 : 24	15 : 01 : 48
3 Minutes	5 : 15 : 36	27 : 14 : 24
4 Minutes	7 : 12 : 48	30 : 03 : 12
5 Minutes	9 : 10 : 00	37 : 16 : 00
6 Minutes	11 : 07 : 12	45 : 04 : 48
10 Minutes	18 : 20 : 00	75 : 08 : 00
15 Minutes	28 : 06 : 00	113 : 00 : 00
20 Minutes	37 : 16 : 00	150 : 16 : 00
30 Minutes	56 : 12 : 00	226 : 00 : 00
60 Minutes	113 : 00 : 00	452 : 00 : 00

## Data logging table TP488

Time between logs	32k Memory	128k Memory
	days : hours : min	days : hours : min
10 Sec	0 : 04 : 26	0 : 17 : 46
20 Sec	0 : 8 : 53	1 : 11 : 33
30 Sec	0 : 13 : 20	2 : 05 : 20
1 Minutes	1 : 02 : 40	4 : 10 : 40
2 Minutes	2 : 05 : 20	8 : 21 : 20
3 Minutes	3 : 08 : 00	13 : 08 : 00
4 Minutes	4 : 10 : 40	17 : 18 : 40
5 Minutes	5 : 13 : 20	22 : 05 : 20
6 Minutes	6 : 16 : 00	26 : 16 : 00
10 Minutes	11 : 02 : 40	44 : 10 : 40
15 Minutes	16 : 16 : 00	66 : 16 : 00
20 Minutes	22 : 05 : 20	88 : 21 : 20
30 Minutes	33 : 08 : 00	133 : 08 : 00
60 Minutes	66 : 16 : 00	266 : 16 : 00