

DAQMaster 使用說明

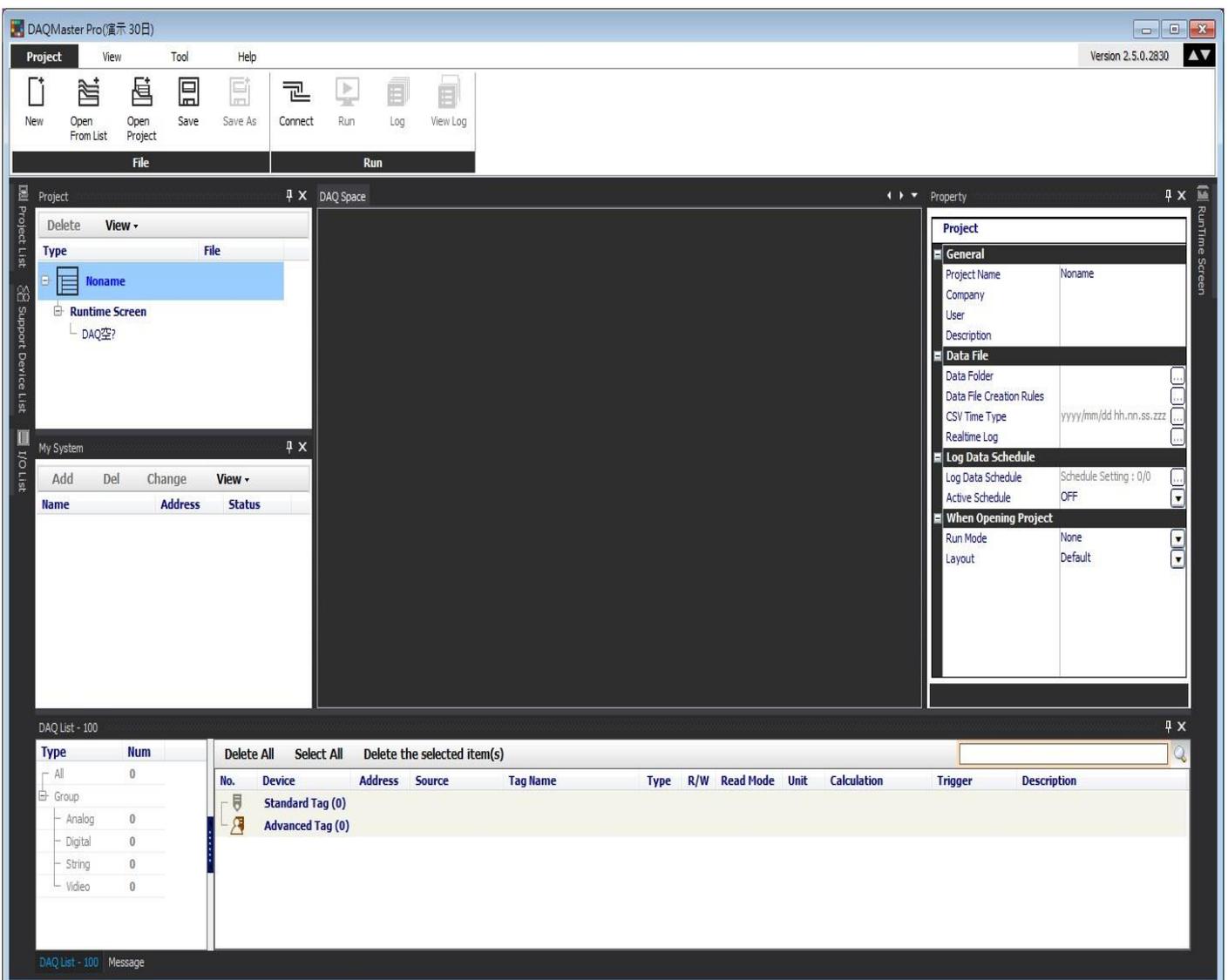
開啟 DATE 資料方式有兩種：

(一)經由主程式開啟：

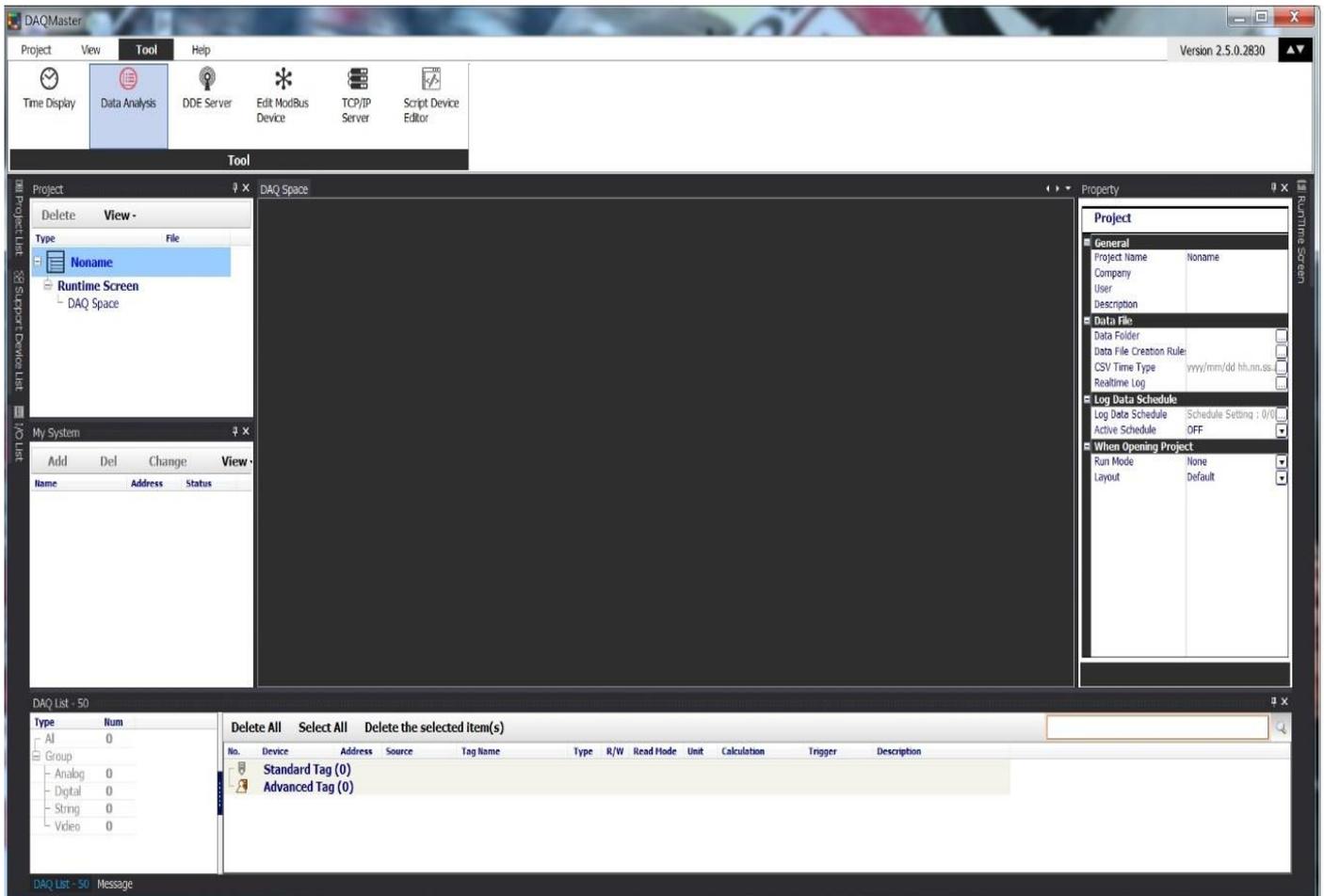
1. 點擊主程式圖示開啟



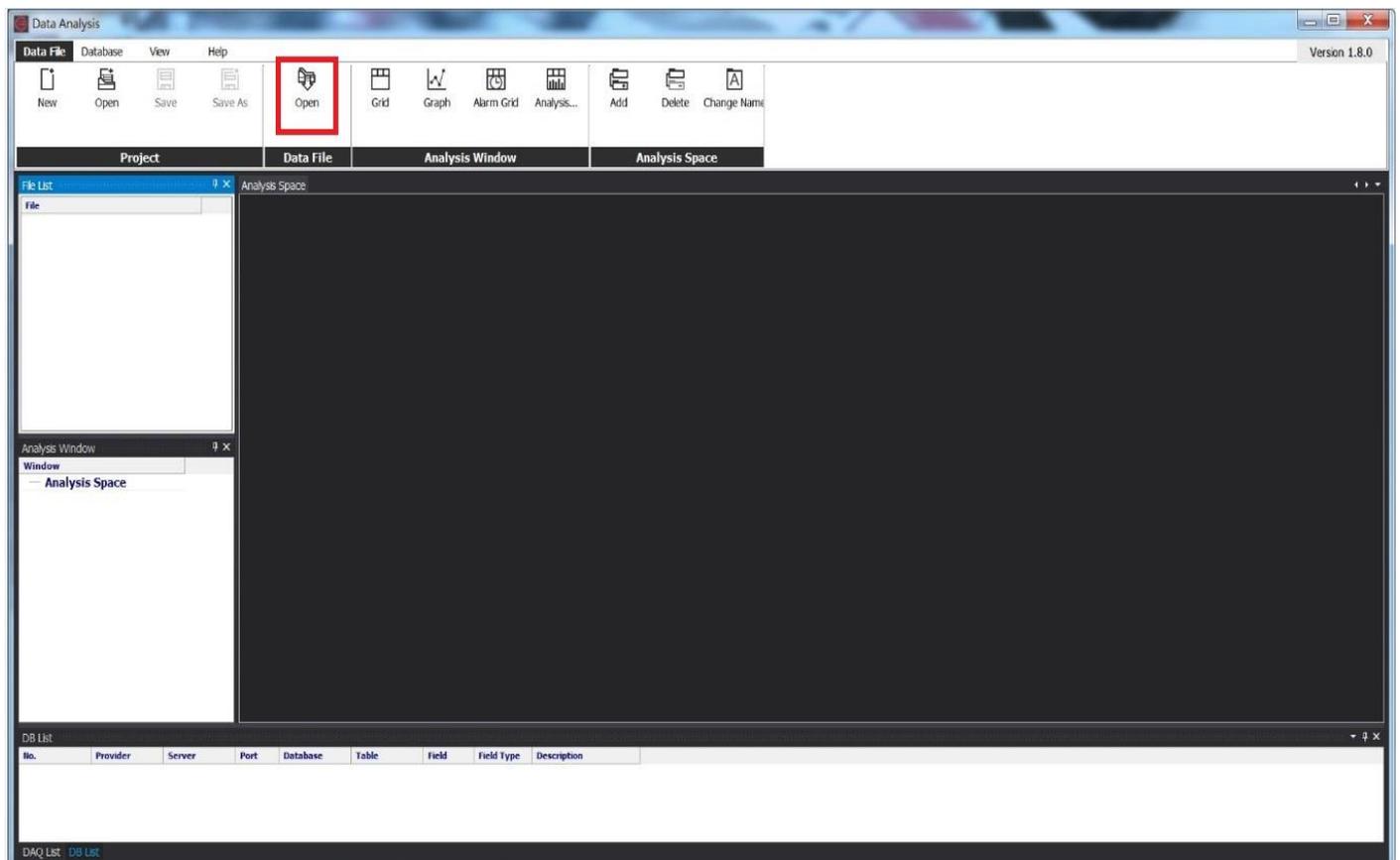
2.主畫面



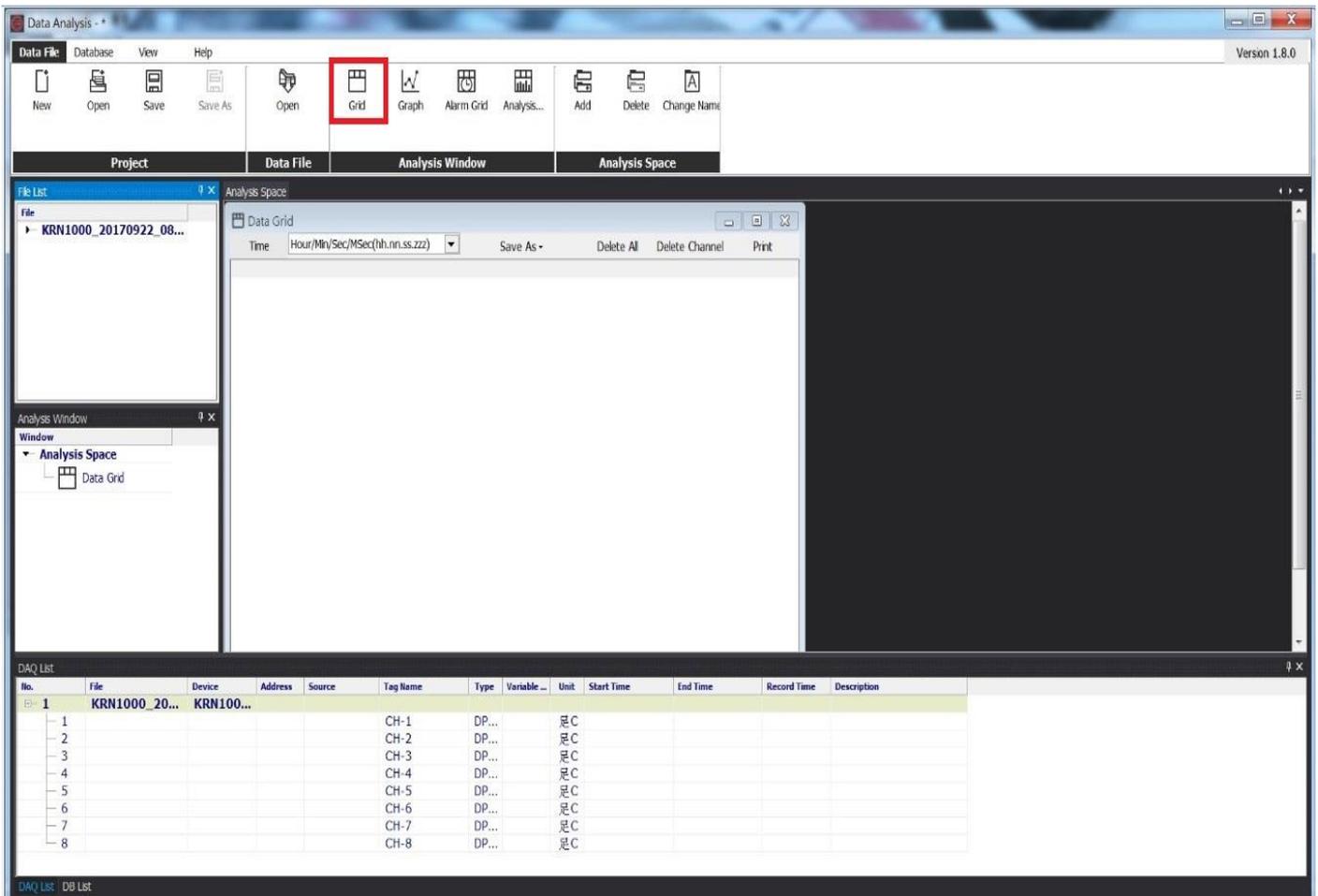
3. 選擇 Tool => DataAnalysis



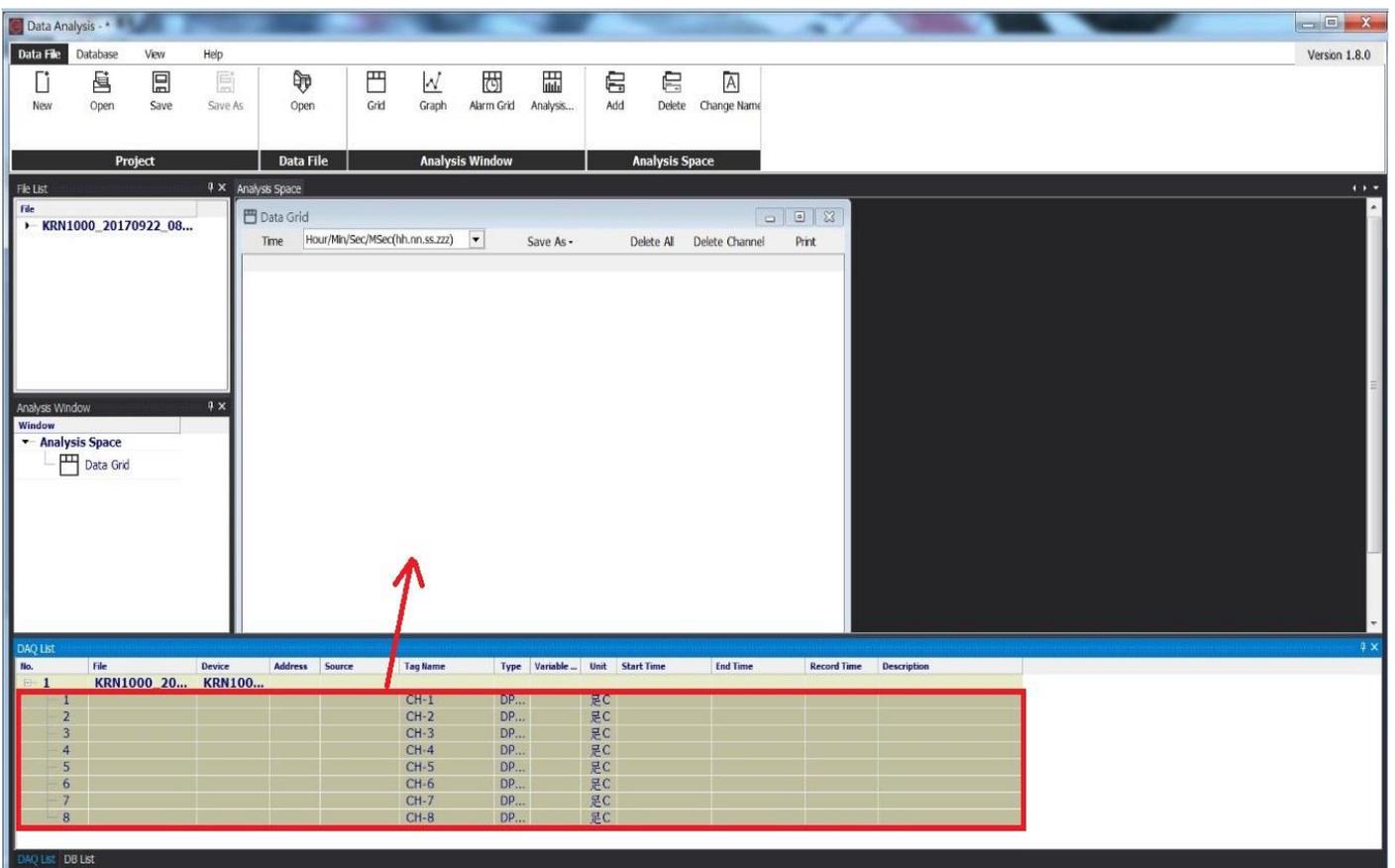
4. 選擇 DateFile => Open



7. 開啟 Grid (文字) :



8. 將要顯示之感溫棒資料選取後拖移至 Grid (文字)視窗內。



8-1 Grid (文字)視窗顯示，如下圖：

The screenshot shows the 'Data Analysis' software interface. The 'Data Grid' window is active, displaying a table of data points. The 'DAQ List' window is also visible at the bottom.

No	KRN1000_201...	CH-1	KRN1000_201...	CH-2	KRN1000_201...	CH-3	KRN1000_201...	CH-4
1	08.20.05.000	0.2	08.20.05.000	0.4	08.20.05.000	0.3	08.20.05.000	0.5
2	08.20.06.000	0.1	08.20.06.000	0.4	08.20.06.000	0.3	08.20.06.000	0.5
3	08.20.07.000	0.1	08.20.07.000	0.3	08.20.07.000	0.3	08.20.07.000	0.5
4	08.20.08.000	0.2	08.20.08.000	0.3	08.20.08.000	0.3	08.20.08.000	0.5
5	08.20.09.000	0.2	08.20.09.000	0.3	08.20.09.000	0.3	08.20.09.000	0.4
6	08.20.10.000	0.1	08.20.10.000	0.3	08.20.10.000	0.4	08.20.10.000	0.4
7	08.20.11.000	0.1	08.20.11.000	0.3	08.20.11.000	0.4	08.20.11.000	0.5
8	08.20.12.000	0.1	08.20.12.000	0.3	08.20.12.000	0.3	08.20.12.000	0.5
9	08.20.13.000	0.1	08.20.13.000	0.4	08.20.13.000	0.3	08.20.13.000	0.5
10	08.20.14.000	0.1	08.20.14.000	0.4	08.20.14.000	0.3	08.20.14.000	0.5
11	08.20.15.000	0.1	08.20.15.000	0.4	08.20.15.000	0.5	08.20.15.000	0.5
12	08.20.16.000	0.1	08.20.16.000	0.4	08.20.16.000	0.5	08.20.16.000	0.4
13	08.20.17.000	0.1	08.20.17.000	0.4	08.20.17.000	0.5	08.20.17.000	0.5
14	08.20.18.000	0.1	08.20.18.000	0.4	08.20.18.000	0.5	08.20.18.000	0.5
15	08.20.19.000	0.1	08.20.19.000	0.4	08.20.19.000	0.5	08.20.19.000	0.5
16	08.20.20.000	0.1	08.20.20.000	0.4	08.20.20.000	0.5	08.20.20.000	0.4
17	08.20.21.000	0.1	08.20.21.000	0.4	08.20.21.000	0.5	08.20.21.000	0.5
18	08.20.22.000	0.1	08.20.22.000	0.4	08.20.22.000	0.3	08.20.22.000	0.5
19	08.20.23.000	0.2	08.20.23.000	0.4	08.20.23.000	0.3	08.20.23.000	0.5
20	08.20.24.000	0.1	08.20.24.000	0.4	08.20.24.000	0.4	08.20.24.000	0.5
21	08.20.25.000	0.1	08.20.25.000	0.4	08.20.25.000	0.4	08.20.25.000	0.5

No.	File	Device	Address	Source	Tag Name	Type	Variable	Unit	Start Time	End Time	Record Time	Description
1	KRN1000_20...	KRN100...			CH-1	DP...		足C				
2					CH-2	DP...		足C				
3					CH-3	DP...		足C				
4					CH-4	DP...		足C				
5					CH-5	DP...		足C				
6					CH-6	DP...		足C				
7					CH-7	DP...		足C				
8					CH-8	DP...		足C				

9. SAVE AS(可將資料儲存為文字檔及其他格式之檔案)

The screenshot shows the 'Data Analysis' software interface. The 'Data Grid' window is active, and a 'Save As' dialog box is open, allowing the user to save the data in various formats. The 'DAQ List' window is also visible at the bottom.

No	KRN1000_2010921_110...	CH-1	KRN1000_201...	CH-3	KRN1000_201...	CH-4
1	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
2	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
3	09-21 11.00	0.1	09-21 11.00	0.3	09-21 11.00	0.5
4	09-21 11.00	0.1	09-21 11.00	0.3	09-21 11.00	0.5
5	09-21 11.00	0.1	09-21 11.00	0.3	09-21 11.00	0.5
6	09-21 11.00	0.1	09-21 11.00	0.3	09-21 11.00	0.5
7	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
8	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
9	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
10	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
11	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
12	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
13	09-21 11.00	0.1	09-21 11.00	0.4	09-21 11.00	0.5
14	09-21 11.00	0.1	09-21 11.00	0.3	09-21 11.00	0.5
15	09-21 11.00	0.2	09-21 11.00	0.3	09-21 11.00	0.5
16	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
17	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
18	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
19	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
20	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
21	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5
22	09-21 11.00	0.2	09-21 11.00	0.4	09-21 11.00	0.5

9.1 EXCEL 畫面，如下圖：

The screenshot shows an Excel spreadsheet with the following data structure:

No	KRN1000 CH-1	KRN1000 CH-2	KRN1000 CH-3	KRN1000 CH-4	KRN1000 CH-5	KRN1000 CH-6	KRN1000 CH-7	KRN1000 CH-8
1	1 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
2	2 09-21 11.0	0.1 09-21 11.0	0.3 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
3	3 09-21 11.0	0.1 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	0 09-21 11.0	0.1 09-21 11.0
4	4 09-21 11.0	0.1 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.1 09-21 11.0
5	5 09-21 11.0	0.1 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
6	6 09-21 11.0	0.1 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
7	7 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
8	8 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
9	9 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
10	10 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
11	11 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
12	12 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
13	13 09-21 11.0	0.1 09-21 11.0	0.4 09-21 11.0	0.4 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
14	14 09-21 11.0	0.2 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
15	15 09-21 11.0	0.2 09-21 11.0	0.3 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
16	16 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
17	17 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0.1 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
18	18 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
19	19 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
20	20 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
21	21 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
22	22 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	0 09-21 11.0	0.2 09-21 11.0
23	23 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.6 09-21 11.0	0 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
24	23 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0
25	23 09-21 11.0	0.2 09-21 11.0	0.4 09-21 11.0	0.3 09-21 11.0	0.5 09-21 11.0	0 09-21 11.0	-0.1 09-21 11.0	0.2 09-21 11.0

10.Print(列印)

The screenshot shows the Data Analysis software interface with the following components:

Data Grid:

No	KRN1000_201... CH-1	KRN1000_201... CH-2	KRN1000_201... CH-3	KRN1000_201... CH-4
1	11.00.03.000 0.1	11.00.03.000 0.4	11.00.03.000 0.4	11.00.03.000 0.5
2	11.00.04.000 0.1	11.00.04.000 0.3	11.00.04.000 0.4	11.00.04.000 0.5
3	11.00.05.000 0.1	11.00.05.000 0.3	11.00.05.000 0.3	11.00.05.000 0.5
4	11.00.06.000 0.1	11.00.06.000 0.3	11.00.06.000 0.3	11.00.06.000 0.5
5	11.00.07.000 0.1	11.00.07.000 0.3	11.00.07.000 0.3	11.00.07.000 0.6
6	11.00.08.000 0.1	11.00.08.000 0.3	11.00.08.000 0.3	11.00.08.000 0.6
7	11.00.09.000 0.1	11.00.09.000 0.4	11.00.09.000 0.3	11.00.09.000 0.6
8	11.00.10.000 0.1	11.00.10.000 0.4	11.00.10.000 0.3	11.00.10.000 0.6
9	11.00.11.000 0.1	11.00.11.000 0.4	11.00.11.000 0.3	11.00.11.000 0.6
10	11.00.12.000 0.1	11.00.12.000 0.4	11.00.12.000 0.4	11.00.12.000 0.5
11	11.00.13.000 0.1	11.00.13.000 0.4	11.00.13.000 0.4	11.00.13.000 0.5
12	11.00.14.000 0.1	11.00.14.000 0.4	11.00.14.000 0.4	11.00.14.000 0.5
13	11.00.15.000 0.1	11.00.15.000 0.4	11.00.15.000 0.4	11.00.15.000 0.5
14	11.00.16.000 0.2	11.00.16.000 0.3	11.00.16.000 0.3	11.00.16.000 0.5
15	11.00.17.000 0.2	11.00.17.000 0.3	11.00.17.000 0.3	11.00.17.000 0.5
16	11.00.18.000 0.2	11.00.18.000 0.4	11.00.18.000 0.3	11.00.18.000 0.5
17	11.00.19.000 0.2	11.00.19.000 0.4	11.00.19.000 0.3	11.00.19.000 0.5
18	11.00.20.000 0.2	11.00.20.000 0.4	11.00.20.000 0.3	11.00.20.000 0.5
19	11.00.21.000 0.2	11.00.21.000 0.4	11.00.21.000 0.3	11.00.21.000 0.5
20	11.00.22.000 0.2	11.00.22.000 0.4	11.00.22.000 0.3	11.00.22.000 0.6
21	11.00.23.000 0.2	11.00.23.000 0.4	11.00.23.000 0.3	11.00.23.000 0.5
22	11.00.24.000 0.3	11.00.24.000 0.4	11.00.24.000 0.3	11.00.24.000 0.6

DAQ List:

No.	File	Device	Address	Source	Tag Name	Type	Variable	Unit	Start Time	End Time	Record Time	Description
1	KRN1000_20...	KRN100...			CH-1	DP...		足C				
2					CH-2	DP...		足C				
3					CH-3	DP...		足C				
4					CH-4	DP...		足C				
5					CH-5	DP...		足C				
6					CH-6	DP...		足C				
7					CH-7	DP...		足C				
8					CH-8	DP...		足C				

10.1 Print 畫面，如下圖：

Preview window for RICOH Aficio MP C3501 PCL 6. The main content is a 'Data Analysis' report.

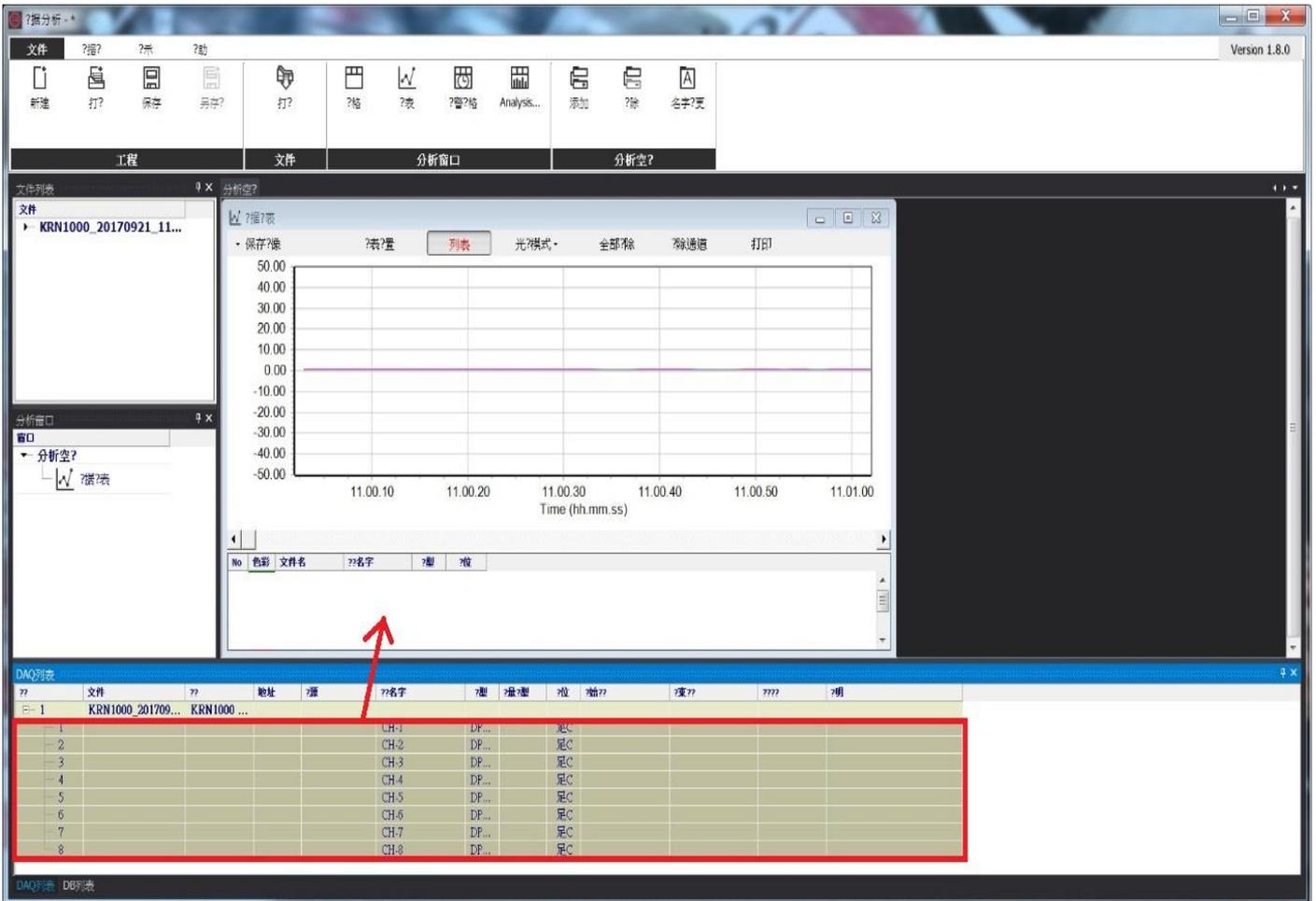
No	09-22 08:20:05	0.2	09-22 08:20:05	0.4	09-22 08:20:05
1	09-22 08:20:05	0.2	09-22 08:20:05	0.4	09-22 08:20:05
2	09-22 08:20:06	0.1	09-22 08:20:06	0.4	09-22 08:20:06
3	09-22 08:20:07	0.1	09-22 08:20:07	0.3	09-22 08:20:07
4	09-22 08:20:08	0.2	09-22 08:20:08	0.3	09-22 08:20:08
5	09-22 08:20:09	0.2	09-22 08:20:09	0.3	09-22 08:20:09
6	09-22 08:20:10	0.1	09-22 08:20:10	0.3	09-22 08:20:10
7	09-22 08:20:11	0.1	09-22 08:20:11	0.3	09-22 08:20:11
8	09-22 08:20:12	0.1	09-22 08:20:12	0.3	09-22 08:20:12
9	09-22 08:20:13	0.1	09-22 08:20:13	0.4	09-22 08:20:13
10	09-22 08:20:14	0.1	09-22 08:20:14	0.4	09-22 08:20:14
11	09-22 08:20:15	0.1	09-22 08:20:15	0.4	09-22 08:20:15
12	09-22 08:20:16	0.1	09-22 08:20:16	0.4	09-22 08:20:16
13	09-22 08:20:17	0.1	09-22 08:20:17	0.4	09-22 08:20:17
14	09-22 08:20:18	0.1	09-22 08:20:18	0.4	09-22 08:20:18
15	09-22 08:20:19	0.1	09-22 08:20:19	0.4	09-22 08:20:19
16	09-22 08:20:20	0.1	09-22 08:20:20	0.4	09-22 08:20:20
17	09-22 08:20:21	0.1	09-22 08:20:21	0.4	09-22 08:20:21
18	09-22 08:20:22	0.1	09-22 08:20:22	0.4	09-22 08:20:22
19	09-22 08:20:23	0.2	09-22 08:20:23	0.4	09-22 08:20:23
20	09-22 08:20:24	0.1	09-22 08:20:24	0.4	09-22 08:20:24
21	09-22 08:20:25	0.1	09-22 08:20:25	0.4	09-22 08:20:25
22	09-22 08:20:26	0.1	09-22 08:20:26	0.4	09-22 08:20:26
23	09-22 08:20:27	0.2	09-22 08:20:27	0.3	09-22 08:20:27
24	09-22 08:20:28	0.2	09-22 08:20:28	0.3	09-22 08:20:28
25	09-22 08:20:29	0.1	09-22 08:20:29	0.3	09-22 08:20:29
26	09-22 08:20:30	0.1	09-22 08:20:30	0.3	09-22 08:20:30
27	09-22 08:20:31	0.2	09-22 08:20:31	0.3	09-22 08:20:31
28	09-22 08:20:32	0.2	09-22 08:20:32	0.3	09-22 08:20:32
29	09-22 08:20:33	0.2	09-22 08:20:33	0.3	09-22 08:20:33
30	09-22 08:20:34	0.2	09-22 08:20:34	0.3	09-22 08:20:34
31	09-22 08:20:35	0.2	09-22 08:20:35	0.3	09-22 08:20:35
32	09-22 08:20:36	0.2	09-22 08:20:36	0.3	09-22 08:20:36

11. 開啟 Graph (圖標)：

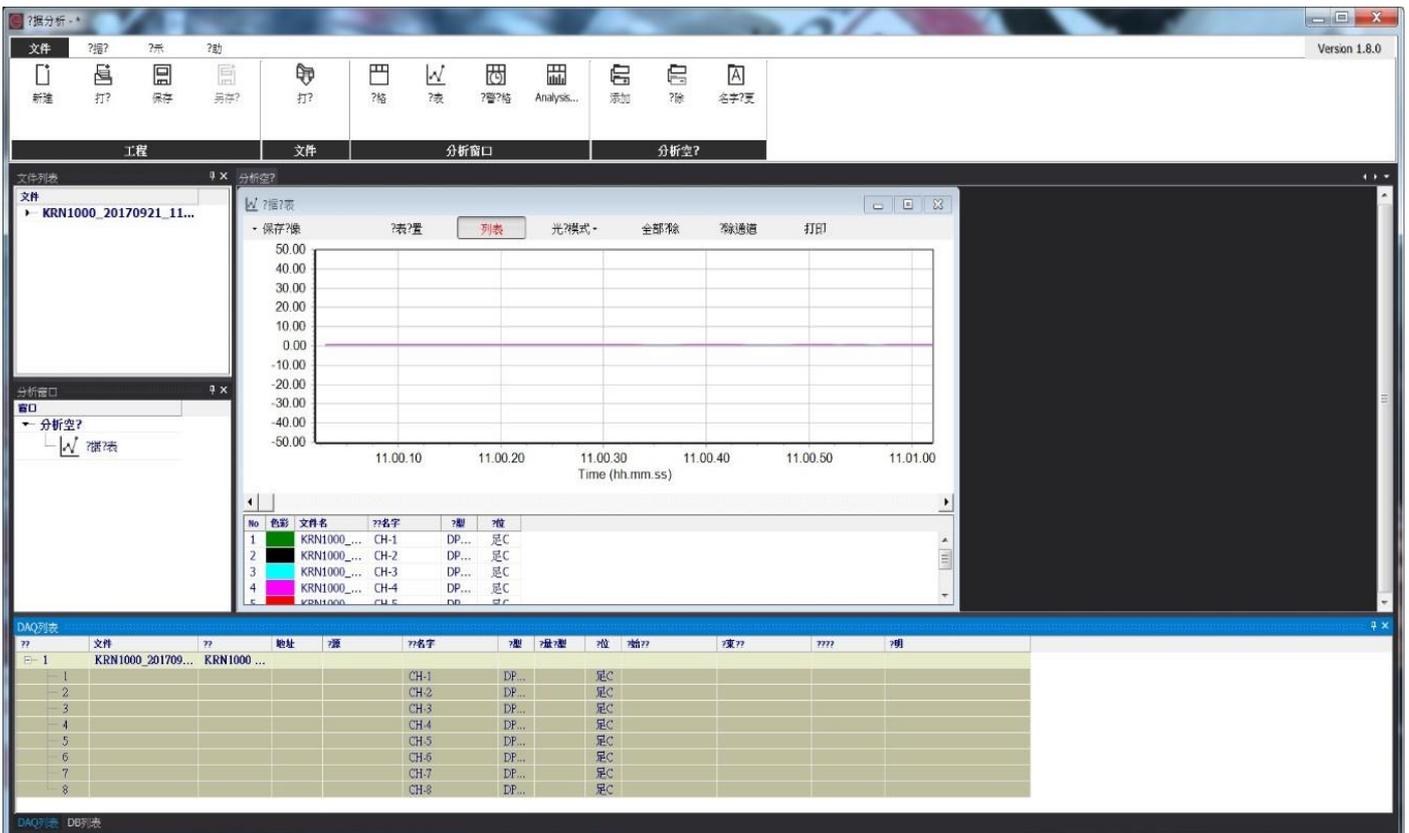
Software interface for data analysis. The 'Graph' icon in the toolbar is highlighted. A graph window is open, showing a plot of data over time. Below the graph is a data table.

No	色彩	文件名	??名字	?型	?量?型	?位	?始??	?家??	????	?明
1		KRN1000_201709...	KRN1000 ...	CH-1	DF...	足C				
2				CH-2	DF...	足C				
3				CH-3	DF...	足C				
4				CH-4	DF...	足C				
5				CH-5	DF...	足C				
6				CH-6	DF...	足C				
7				CH-7	DF...	足C				
8				CH-8	DF...	足C				

12.將要顯示之感溫棒資料選取後拖移至 Graph (圖標)視窗內。



13.Graph (圖標)視窗顯示，如下圖：



14. 選擇 “GraphSettings” 設定顯示溫度範圍

MAX：最高溫度範圍、MIN：最低溫度範圍、Auto Scale 自動縮放

No	Tag Name	Type	Axis
1	CH-1	DP...	Left Y...
2	CH-2	DP...	Left Y...
3	CH-3	DP...	Left Y...
4	CH-4	DP...	Left Y...
5	CH-5	DP...	Left Y...
6	CH-6	DP...	Left Y...
7	CH-7	DP...	Left Y...
8	CH-8	DP...	Left Y...

15. Graph (圖標) 視窗顯示，如下圖：

No	File Name	Tag Name	Type	Unit
1	KRN1000...	CH-1	DP...	是C
2	KRN1000...	CH-2	DP...	是C
3	KRN1000...	CH-3	DP...	是C
4	KRN1000...	CH-4	DP...	是C
5	KRN1000...	CH-5	DP...	是C
6	KRN1000...	CH-6	DP...	是C
7	KRN1000...	CH-7	DP...	是C
8	KRN1000...	CH-8	DP...	是C

16. Save Image(可將資料儲存為圖片之檔案)

The screenshot shows the software interface with the 'Data Graph' window open. The 'Save Image' menu is open, showing options: 'Save To File', 'Save To Clipboard(Bitmap)', and 'Save To Clipboard(MetaFile)'. The graph displays multiple data channels over time. Below the graph is a table with columns: No., Col., File Name, Tag Name, Type, Unit.

No.	Col.	File Name	Tag Name	Type	Unit
1	Green	KRN1000_...	CH-1	DP...	足C
2	Black	KRN1000_...	CH-2	DP...	足C
3	Cyan	KRN1000_...	CH-3	DP...	足C
4	Magenta	KRN1000_...	CH-4	DP...	足C
5	Red	KRN1000_...	CH-5	DP...	足C

Below the table is a 'DAQ List' table with columns: No., File, Device, Address, Source, Tag Name, Type, Variable, Unit, Start Time, End Time, Record Time, Description.

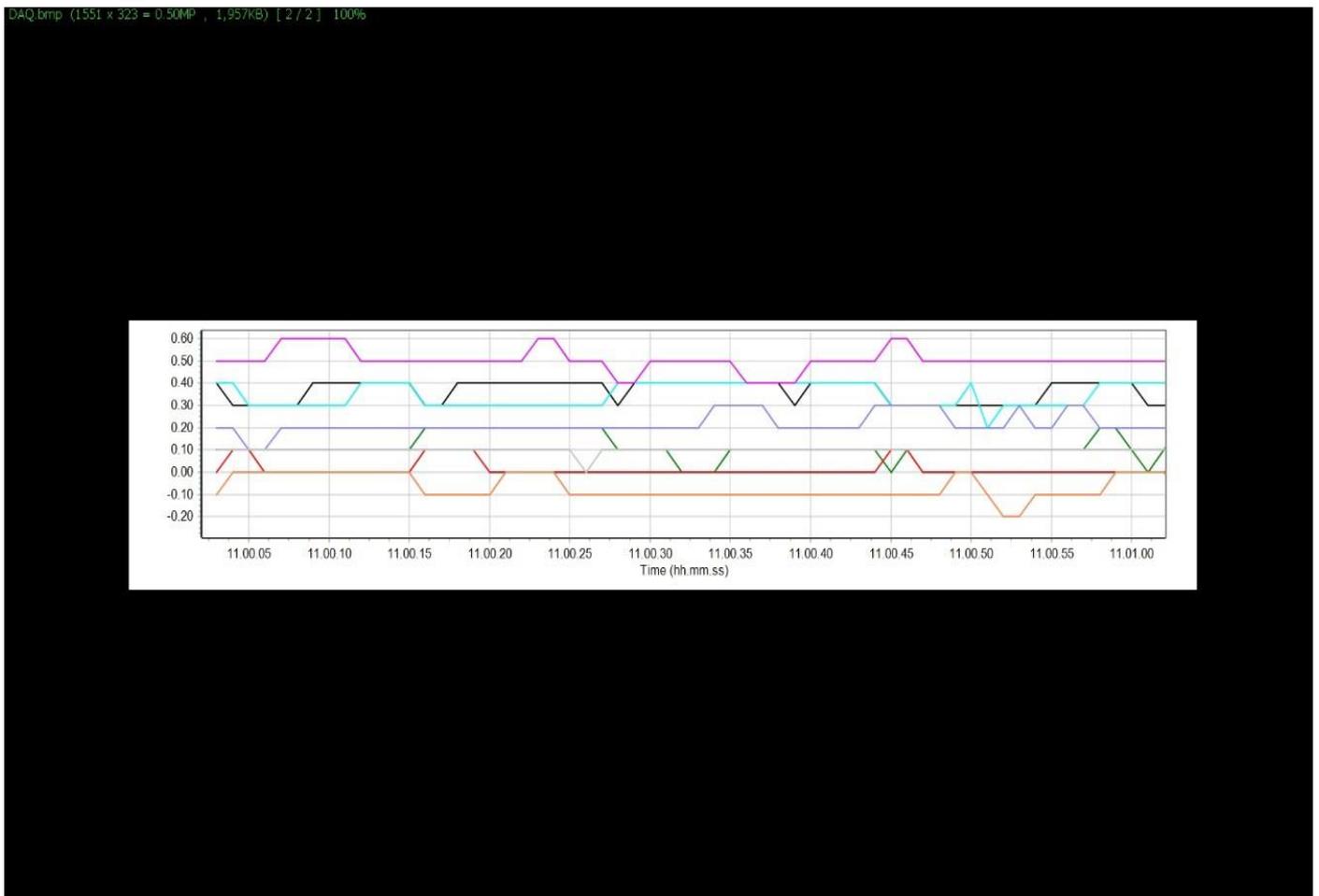
No.	File	Device	Address	Source	Tag Name	Type	Variable	Unit	Start Time	End Time	Record Time	Description
1	KRN1000_20...	KRN100...										
1					CH-1	DP...		足C				
2					CH-2	DP...		足C				
3					CH-3	DP...		足C				
4					CH-4	DP...		足C				
5					CH-5	DP...		足C				
6					CH-6	DP...		足C				
7					CH-7	DP...		足C				
8					CH-8	DP...		足C				

17. 圖片儲存之路徑及名稱可自行設定

The screenshot shows the software interface with the 'Save Image' dialog box open. The dialog box has a 'Save as' title bar and a file explorer view. The 'Save as' field is set to 'DAQ' and the file type is 'Bitmap File (*.bmp)'. The dialog box also shows a list of recent locations and a list of system folders.

No.	File	Device	Address	Source	Tag Name	Type	Variable	Unit	Start Time	End Time	Record Time	Description
1	KRN1000_20...	KRN100...										
1					CH-1	DP...		足C				
2					CH-2	DP...		足C				
3					CH-3	DP...		足C				
4					CH-4	DP...		足C				
5					CH-5	DP...		足C				
6					CH-6	DP...		足C				
7					CH-7	DP...		足C				
8					CH-8	DP...		足C				

18. 圖片畫面，如下圖：

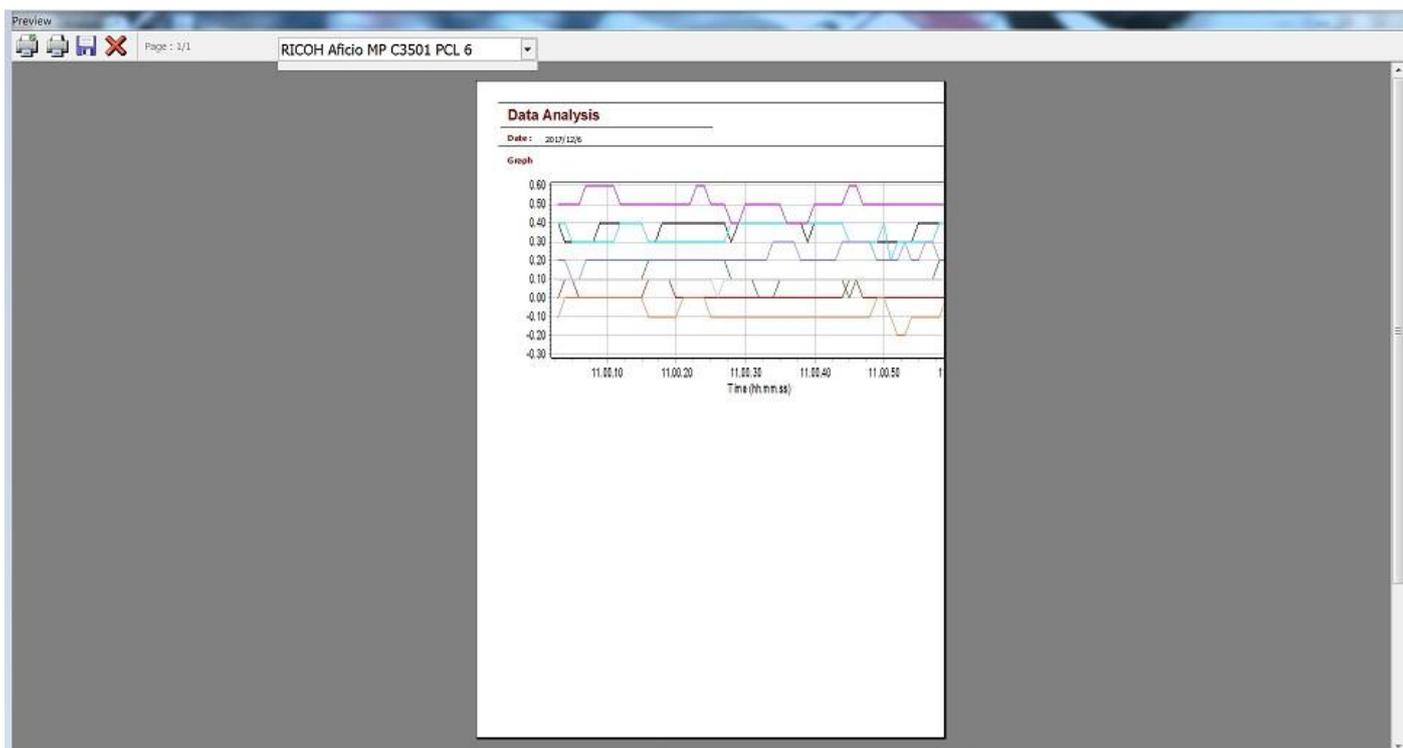


19. Print(列印)

No.	Col.	File Name	Tag Name	Type	Unit
1		KRN1000_...	CH-1	DP...	足C
2		KRN1000_...	CH-2	DP...	足C
3		KRN1000_...	CH-3	DP...	足C
4		KRN1000_...	CH-4	DP...	足C
5		KRN1000_...	CH-5	DP...	足C

No.	File	Device	Address	Source	Tag Name	Type	Variable ...	Unit	Start Time	End Time	Record Time	Description
1	KRN1000_20...	KRN100...			CH-1	DP...		足C				
2					CH-2	DP...		足C				
3					CH-3	DP...		足C				
4					CH-4	DP...		足C				
5					CH-5	DP...		足C				
6					CH-6	DP...		足C				
7					CH-7	DP...		足C				
8					CH-8	DP...		足C				

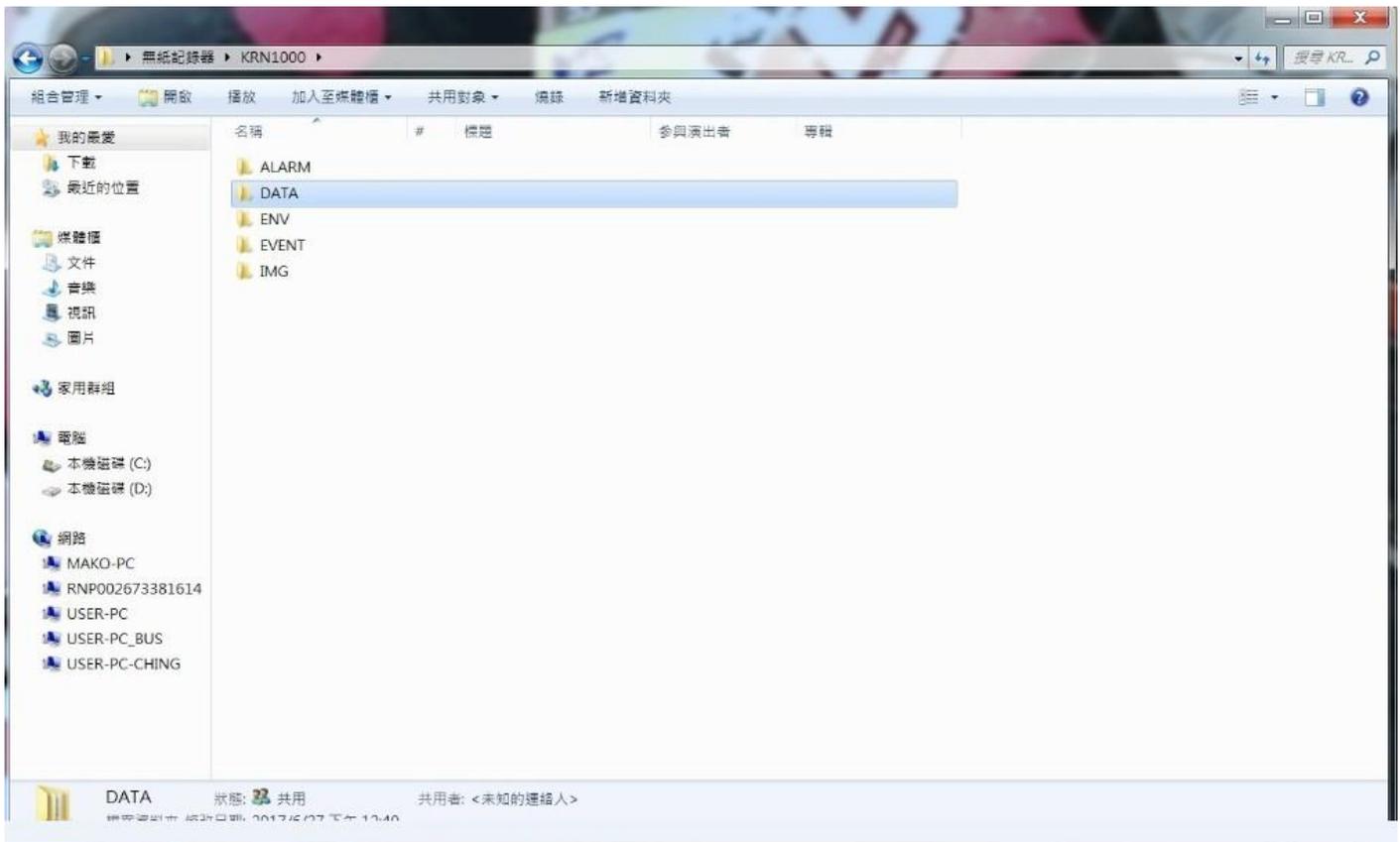
19.1 Print 畫面，如下圖：



PS：如需將 **Grid** (文字)及 **Graph** (圖標)列印，
建議先將檔案另存成圖片或 EXCEL 檔案後再開啟檔案列印。

(二)直接點選 DATE 檔案開啟程式

2.1 開啟 DATE 資料夾



2.2 選擇要開啟的 DATE 名稱

