

User's Guide

EasyGluco G2 Communication Program

Infopia Co., Ltd.

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Introducing EasyGluco G2 communication program

About this guide

This guide is designed for users of EasyGluco G2 blood glucose monitoring system manufactured by Infopia Co., Ltd and those who are familiar with diabetes and the concepts relating to management of the disease. It assumes that you are familiar with Windows and know how to use a mouse.

The program is easy to install, easy to use and produces excellent reports. Highly recommended for users of EasyGluco G2 blood glucose monitoring system.

Contacting Infopia Co., Ltd

If you have trouble using this program, you can visit www.infopia21.com that is either on the outer packaging of the system.

Components of EasyGluco G2 communication program package

- **PC communication cable**
- **Blood glucose management program set-up disk(or CD)**
- **Blood glucose management user's guide**

System requirements

- **PC with Windows 98, Window Me, Windows2000, or Window XP operating system**
- **Availability of prompt data sending for Outlook Express users**
- **RS-232C port by COM1~COM4**
 - **Baudrate : 4800bps**
 - **Data Bit : 8**
 - **Parity : NONE**
 - **Stop Bit : 1**

Set-up the program

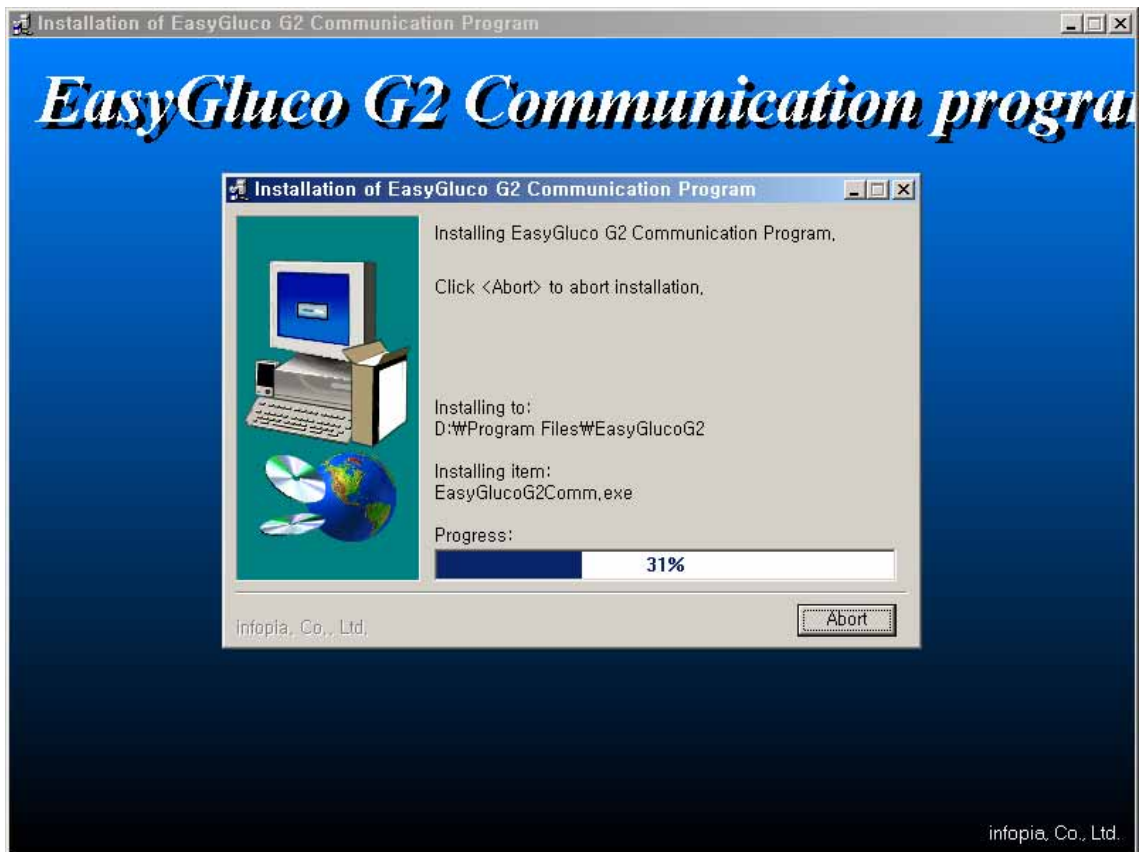
- 1) Install the set-up disk or CD in your PC.
- 2) Execute the file “EasyGlucoG2_setup.exe”.



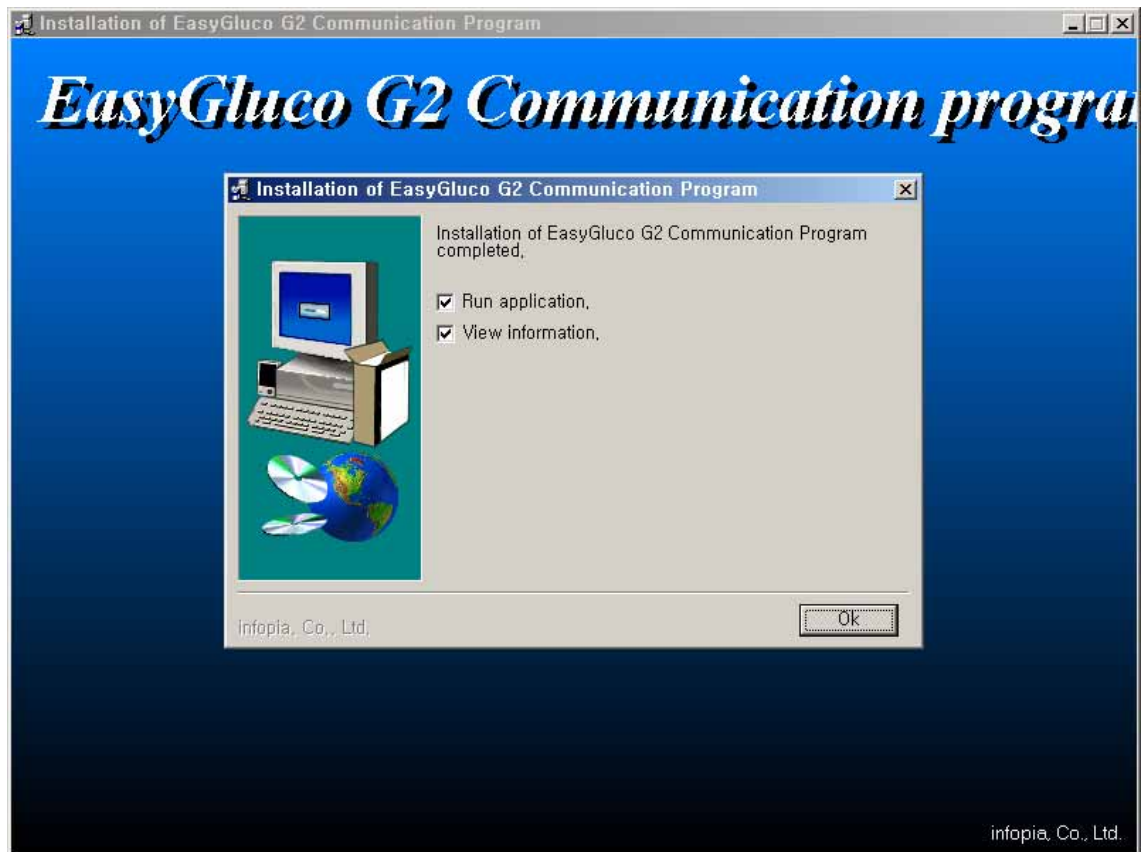
- 3) Click “Next”.



- 4) Designate the installation folder and click “Install”. Recommended to use the folder in default. By clicking “Install”, the installation will start.



5) Automatically it will process the installation of the program



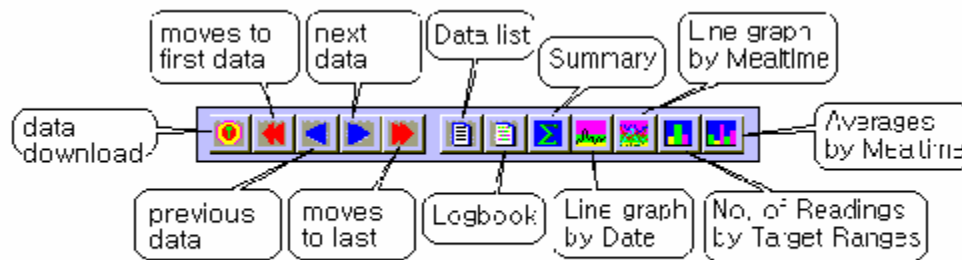
- 6) When the installation completed, establish "Run application." and "view information.", click "Ok" button and exit.
- 7) The related icon may be created in the program of the start menu and showed also on the window.

Usage

- 1) Install the cable to your PC or notebook.
- 2) Execute EasyGluco G2 communication program.
- 3) The patient's information can be stored in [Setup]-[User Settings]. A file is generated under the name of the ID in [User profile]. If the information of the patient has been already set, there is no need for any correction.
- 4) Put the jack of the cable to the port of EasyGluco G2 meter. Then, the LCD of the meter displays "PC".
- 5) When executing [Receive meter data], the data stored in the meter are downloaded to the PC. After finishing it, LCD does not show "PC" any more.
- 6) If you want to download the data from the meter, take the step from 1) to 5) again.
 - In case that the meter does not display "PC" like in the step 4), please check the following things.
 - (1) Check the cable attached to PC firmly.
 - (2) Check the batteries in the meter loaded in a right way.
 - (3) Check the setting of the port by conforming the serial port in [Setup]-[Port Settings] to that of PC.
 - When you see "Communication Error" in the step 5), please check these (1), (2) and (3).

The composition of toolbar

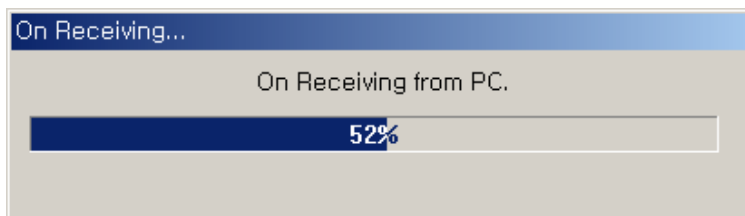
- **Intuitional toolbar enables the users to more easily manage their blood glucose.**



Actions menus

■ File[Alt+F]

▶ Downloading from the meter [R]

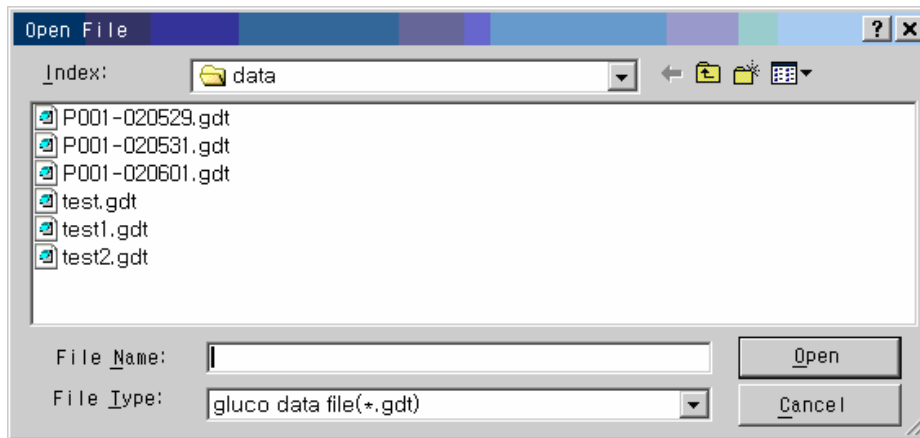


Picture 1. Progress bar during importing data from the meter

On inserting the serial cable connected with PC into the data port of the meter, it displays “PC” simultaneously downloading the data from the meter. During importing the data, the action of “On Receiving” shown as Picture 1 can be accomplished and the computer will show the dialog box of ‘Data List’ which is evidently indicating that the data be stored with the file extension of gdt such as *Patient ID.gdt*.

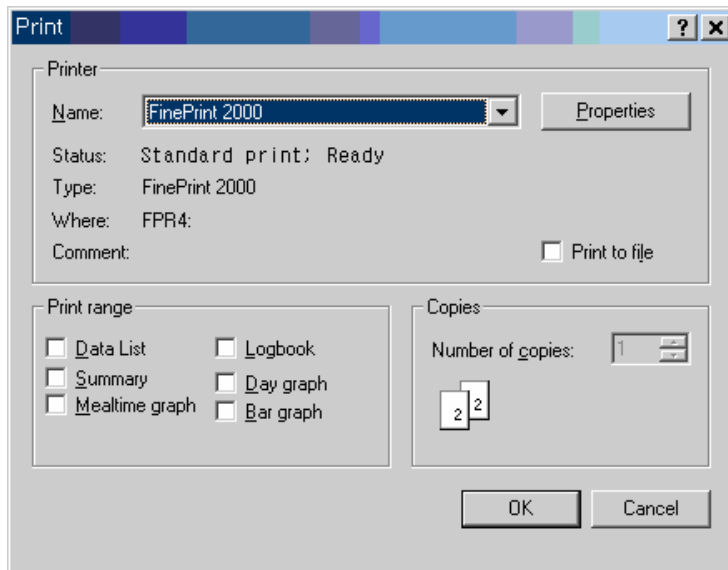
- **Error message :** This message can be displayed when the cable fails to be connected or the port setting is not properly done or the communication with the PC fails and or the meter powers off. In these cases, please try again after checking the cases mentioned.

► **Opening File [O or Ctrl+O]**



- **With this function the data can be downloaded stored at 'Data' folder, the sub folder of the program.**
 - ✳ **extension name of the data file :**
 - ① **gdt : Blood Glucose Data file**
 - ② **info : Patient information file in User Settings**
- **Only by opening the data of gdt file the info file with the same name will open simultaneously.**
- **In order to prevent the confusion with other data in other programs, this data is restricted to those within sub folder of this program.**
- **When the user wants to change the patient ID in [User Settings]->[User Profile], the file with the same name will be open, if any, or if not, it automatically makes new data file.**

► **Printing [P or Ctrl+P]**



- **In addition to the basic function of Windows default, the user can print out the views by setting the range.**

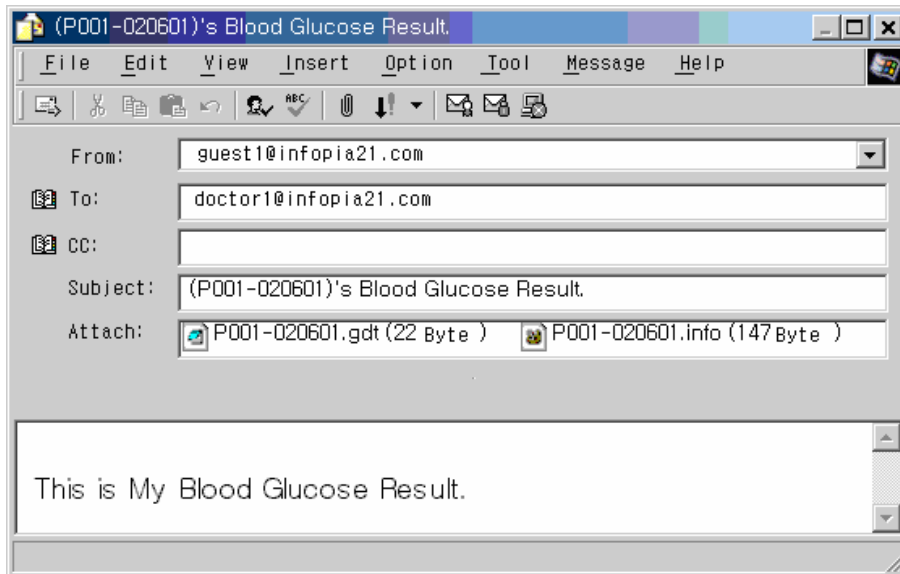
● **Views**

- ① **Data list - lists the test results and enables the availability of the correction, addition and deletion of the data**
- ② **Logbook – reports the average readings by day and by meal time**
- ③ **Summary – shows the statistics in total or monthly**
- ④ **Day graph - plots the average readings by day and the user can spot the blood glucose level patterns during the period**
- ⑤ **Mealtime graph – displays the average results by meal time and it can be distinguished between pre- and post-meal**
- ⑥ **Bar graph by target range – plots all results in three bars which shows below, in and above target range over time**
- ⑦ **Average Bar graph by mealtime – shows the average readings by mealtime**

► **Print Set-up [S]**

- Follows the default of the Windows

► **Sending E-mail [E]**



- If you are the user of Outlook Express, the mail is automatically ready to be sent with two files attached, one is the one with gdt extension and the other with info extension as shown the picture above.
- In this case, it has been set up in the user profile within the program that the sender be the Patient and the receiver the Physician respectively.

► **Exit [X or Alt+F4]**

- By clicking Exit, you can close the program.

■ **View [Alt+V]**

- If there are data stored at the data files, each view can be open.
- If not, the screen displays the starting menu.

► **Data List [D]**

Number	Date	Time	Mealtime	Measuring value	Level
1	05/29/2002 Wed	20:24	Evening	18.15	High
2	05/29/2002 Wed	20:21	Evening	14.43	High
3	05/29/2002 Wed	20:19	Evening	8.05	Target
4	05/29/2002 Wed	20:16	Evening	4.94	Target
5	05/29/2002 Wed	20:14	Evening	2.66	Low
6	05/28/2002 Tue	19:42	Evening	28.69	High
7	05/28/2002 Tue	19:41	Evening	30.47	High
8	05/28/2002 Tue	19:40	Evening	24.58	High
9	05/28/2002 Tue	19:39	Evening	24.64	High
10	05/28/2002 Tue	19:37	Evening	14.93	High
11	05/28/2002 Tue	19:36	Evening	13.71	High
12	05/28/2002 Tue	19:35	Evening	8.82	High
13	05/28/2002 Tue	19:34	Evening	9.10	High
14	05/28/2002 Tue	19:33	Evening	4.00	Target
15	05/28/2002 Tue	19:32	Evening	3.61	Target
16	05/28/2002 Tue	19:30	Evening	17.54	High
17	05/28/2002 Tue	19:28	Evening	17.04	High
18	05/28/2002 Tue	19:27	Evening	13.65	High
19	05/28/2002 Tue	19:26	Evening	12.87	High
20	05/28/2002 Tue	19:24	Evening	7.82	Target
21	05/28/2002 Tue	19:23	Evening	7.82	Target
22	05/28/2002 Tue	19:21	Evening	4.88	Target
23	05/28/2002 Tue	19:20	Evening	4.55	Target
24	05/28/2002 Tue	19:19	Evening	1.89	Low
25	05/28/2002 Tue	19:17	Evening	2.05	Low
26	05/28/2002 Tue	19:15	Evening	1.11	Low
27	05/28/2002 Tue	19:11	Evening	1.17	Low
28	05/27/2002 Mon	19:46	Evening	28.02	High
29	05/27/2002 Mon	19:44	Evening	33.30	High
30	05/27/2002 Mon	19:42	Evening	33.30	High

- In this menu 30 test results will be displayed from the latest. Only by clicking the right button of the mouse, the user can modify things such as the measuring unit.
- Yellow shows the low level of blood glucose, green the target range and red the high level, which makes the users manage their diabetes more easily.

► Logbook [L]

Date	Sleep 00:00 ~ 04:59	Breakfast (Before/After) 05:00 ~ 10:59	Lunch (Before/After) 11:00 ~ 14:59	Dinner (Before/After) 15:00 ~ 18:59	Evening 19:00 ~ 23:59
05/20/2002					14.04
05/21/2002					
05/22/2002					
05/23/2002					
05/24/2002					
05/25/2002					
05/26/2002					
05/27/2002			8.32 (0.00 / 8.32)	10.62 (10.62 / 0.00)	22.42
05/28/2002					11.54
05/29/2002					9.60
05/30/2002					
05/31/2002					
06/01/2002					
06/02/2002					
06/03/2002					
06/04/2002					
06/05/2002					
06/06/2002					
06/07/2002					
06/08/2002					
06/09/2002					
06/10/2002					
06/11/2002					
06/12/2002					
06/13/2002					
06/14/2002					
06/15/2002					
06/16/2002					
06/17/2002					
06/18/2002					
06/19/2002					

- shows the average value by day and by mealtime

► Summary [S]

The screenshot shows a software window titled "Easy81uco 62 Communication Program - [SUMMARY]". The window contains four tables of statistical data:

Total Summary [mmol/L]

Total Average	11.04
Average Readings Per Day	12.32
Standard Deviation	8.27
No. of Glucose Readings	200
Measuring days	11
Highest Blood Glucose	33.30
Lowest Blood Glucose	0.55

A Month Summary [mmol/L]

Term	05/20/2002 ~ 06/19/2002
Average	12.49
Average Readings Per Day	11.93
Standard Deviation	8.71
No. of Glucose Readings	74
Measuring days	4
Highest Blood Glucose	33.30
Lowest Blood Glucose	1.11

Readings/Range [mmol/L]

Division	Ranges	Number	Percent
High [Total]	8.66 ~ 33.3	88	44%
Target [Total]	3.61 ~ 8.60	63	31%
Low [Total]	0 ~ 3.55	49	24%
High [A Month]	8.66 ~ 33.3	39	52%
Target [A Month]	3.61 ~ 8.60	22	29%
Low [A Month]	0 ~ 3.55	13	17%

A Month Summary by Mealtimes [mmol/L]

Time Range	Average	Std. Dev.	Number
00:00 ~ 04:59	0.00	0.00	0
05:00 ~ 10:59	0.00	0.00	0
11:00 ~ 14:59	8.32	0.83	5
15:00 ~ 18:59	10.82	9.49	16
19:00 ~ 23:59	13.37	8.66	53

The window status bar shows "Ready" and a "NUM" button.

- shows the statistical summary in total, by month, by the measuring range and by mealtime.

► Day graph [G]



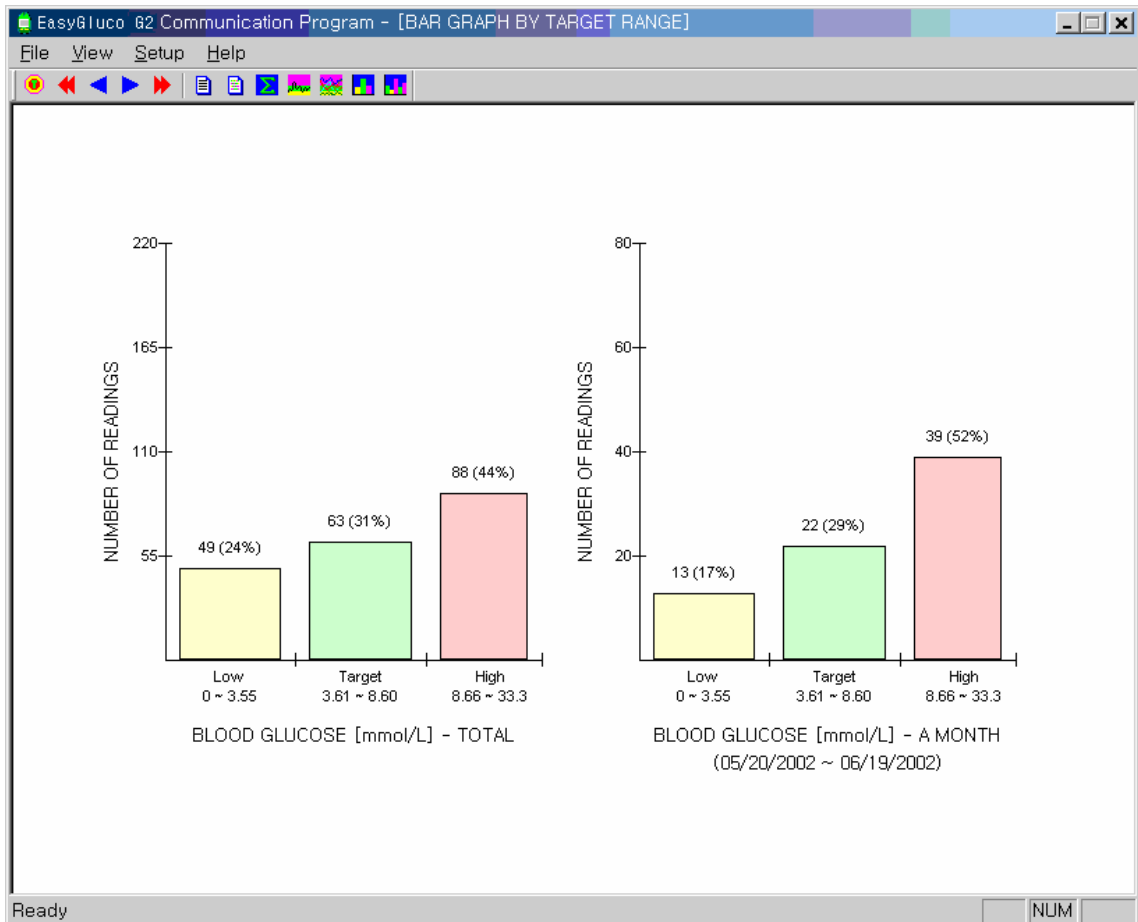
- Displays the average by day in one month graph.

► **Mealtime graph [M]**



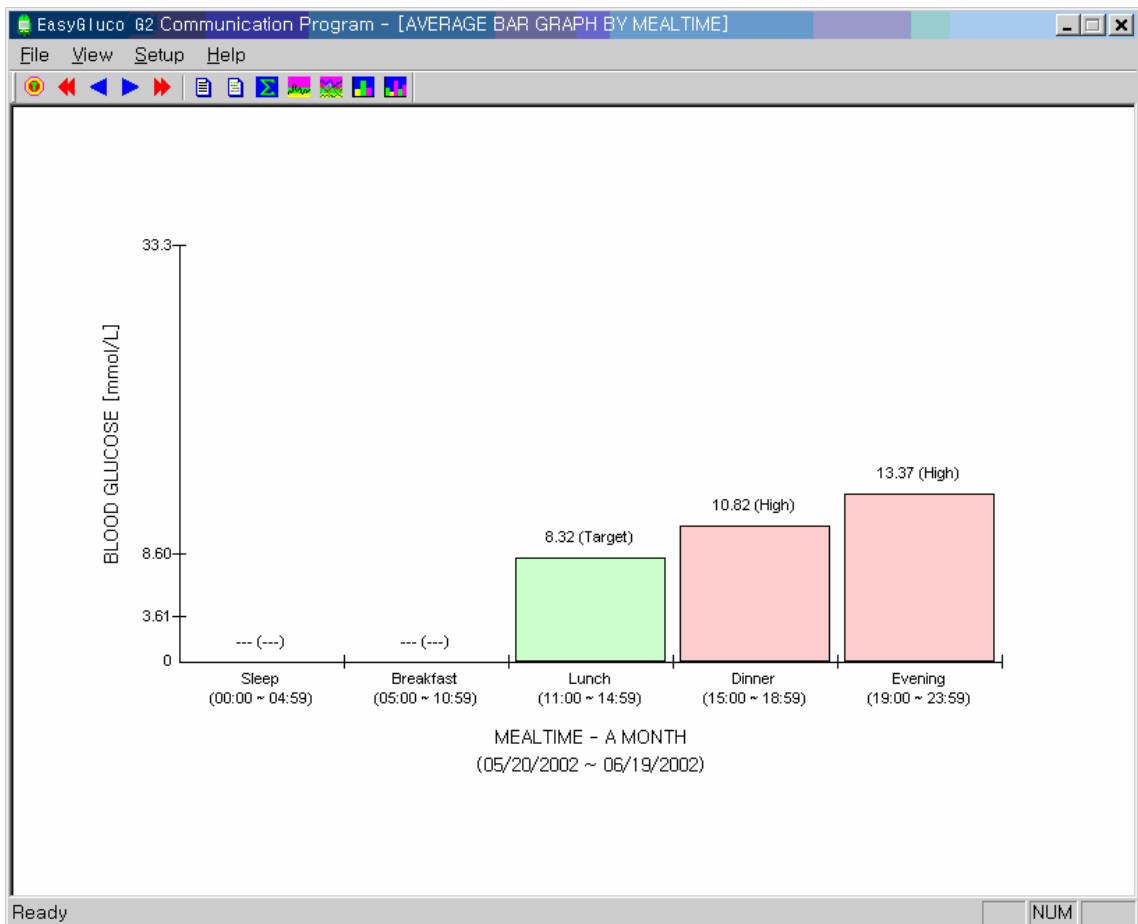
- Shows the average readings by mealtime in one month graph.
- By clicking the right button of the mouse, the user can review the readings by before - , after - or total ones.

► **Bar graph by target range [B]**



- **displays three bars which is low, target and high range respectively in total and by month.**

► **Average bar graph by mealtime [A]**



- **Displays the statistics graph by mealtime.**
- **By clicking the right button of the mouse, the user can view the average readings by before - , after - and or total mealtime.**

■ Setup [Alt+S]

► User Settings [U]

● User Profile

- Fills the patient's and the physician's profiles in
- Stores the data at the info file.

>> Patient ID can be the file name both of gdt and of info.

>> E-mail addresses can be used when the user commands 'Send E-mail'.

User Settings

User Profile | Diagnosis | Time Settings | Data Settings

Patient

ID : P001-020601 Name : Sex : Male

DOB : 1900-01-01 Phone : Mobile :

E-mail : Fax :

Address

Provider Mention :

Physician

Name : Hospital :

Phone : Mobile :

E-mail : Fax :

OK CANCEL APPLY

- **Diagnosis**

- **Is the material with which the physician in charge makes the prescription.**

>> The physician sends the diagnosis to the patient by an email based on the data downloaded from the meter.

User Settings

User Profile | **Diagnosis** | Time Settings | Data Settings

Diagnosis

Type of Diabetes : Diagnosed Date :

Complications :

Comments :

Treatment

Diet Comments :

Exercise

Insulin injection

Insulin pump

Oral Medicine

Other

OK CANCEL APPLY

- **Time Setting**

- **Sets up the date, time displaying format and mealtime.**

User Settings

User Profile | Diagnosis | **Time Settings** | Data Settings

Date Format: yyyy-MM-dd MM/dd/yyyy

Time Format: 12 Hours 24 Hours

Mealtime Settings

Separate Before/After Meals

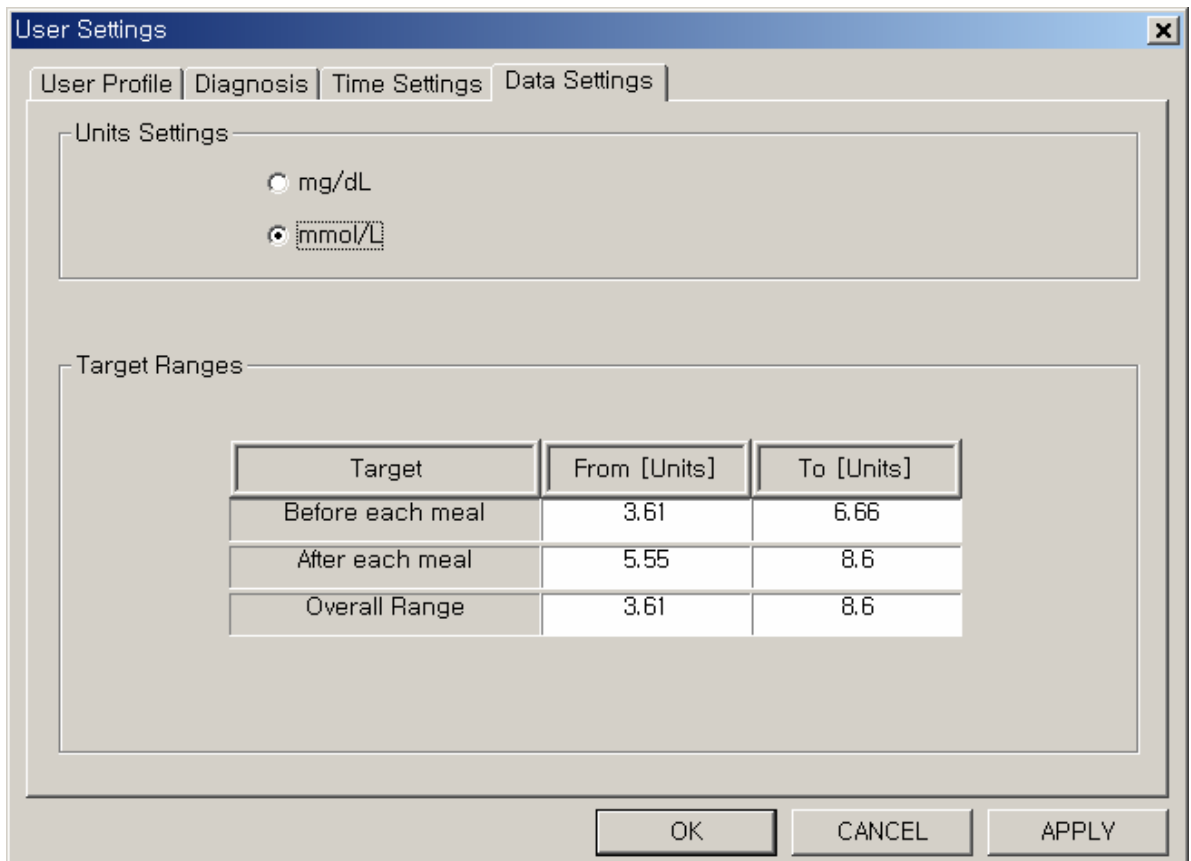
Meal Time	Subdivision	From [Time]	To [Time]
Sleep		12:00 am	04:59 AM
Breakfast	Before	05:00 am	07:59 AM
	After	08:00 am	10:59 AM
Lunch	Before	11:00 am	12:59 PM
	After	01:00 pm	02:59 PM
Dinner	Before	03:00 pm	04:59 PM
	After	05:00 pm	06:59 PM
Evening		07:00 pm	11:59 PM

OK CANCEL APPLY

- **Data Settings**

- **The user can set up the measuring unit and the target range.**

>> The measuring unit can be modified in the view by clicking the right button of the mouse. The things changed in User Settings are saved at info file.



※ Patient ID is the file name.

- ▶ **Port Settings [Alt+S]**

- **Setting up the communication port.**

*** The program opens 'COM1' port automatically and the user can change the port if any.**

■ Help [Alt+H]

▶ About EasyGluco G2 Communication Program [Alt+A]