安達思科技有限公司 AndesFit Ltd.

香港沙田科學園科技大道西八號 15 座尚湖樓 513 室
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Hong Kong Science Park, New Territories, Hong Kong
Tel: 3595 1880   Fax: 2661 9845

Blood glucose meter ADF-B27
Application note for App developer

安達思科技有限公司

AndesFit ltd.

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Ver 1.1

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Device Name：Samico GL

Service UDID: FFF0

Write Characteristics UDID：FFF1

Notify Characteristics UDID：FFF4

Handshaking Write Data Packet format (10 Bytes) – 信息讀取包 00H

Byte No.	Description	Value
1	Initial Byte Code	5AH
2	Packet Length	0AH
3	Packet Type	00H
4	Year	00H-63H
5	Month	01H-0CH
6	Day	01H-1FH
7	Hour	00H-17H
8	Minute	00H-3BH
9	Second	00H-3BH
10	Check Sum	00F-FFH
Remark：Check sum=total (1-9)+2		

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Notify Data Packet format (18 Bytes) – 血糖儀資訊返回包

Byte No.	Description	Value
1	Initial Byte Code	55H
2	Packet Length	12H
3	Packet Type	00H
4	MCU Version	20H
5	Client Code	00H-FFH
6	Battery Level	00H-64H
7	MCU Type	02H
8	MCU Model	00H-FFH
9	Model Serial No.	00H-FFH
10		00H-FFH
11		00H-FFH
12		00H-FFH
13		00H-FFH
14		00H-FFH
15		00H-FFH
16		00H-FFH
17		00H-FFH
18	Check Sum	00F-FFH

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Notify Data Packet format (6 Bytes) – 測量過程計時倒數包

Byte No.	Description	Value
1	Initial Byte Code	55H
2	Packet Length	06H
3	Packet Type	02H
4	Reserved	XX
5	Seconds	00H-0AH
6	Check Sum	00F-FFH

Notify Data Packet format (12 Bytes) – 血糖儀返回測量資料包

Byte No.	Description	Value
1	Initial Byte Code	55H
2	Packet Length	0CH
3	Packet Type	03H
4	Year	00H-63H
5	Month	01H-0CH
6	Day	01H-1FH
7	Hour	00H-17H
8	Minute	00H-3BH
9	Second	00H-3BH
10	Glucose value	0000H-0190H
11		
12	Check Sum	00F-FFH

If Year > 40H then Year=(Year – 40H)

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Samico GL

Smart
Phone Apps

insert test strip

BLE   connect

Connected

FFF1, sending 00H

Send the system date time to GLU

FFF4 notify the GLU info

Device Ready

take measurement

From FFF4,   (04 - 00) count down

Return packet (count down04 – 00)

When 00packet returns from FFF4,

Returns result packet send reading(XXmmol/L)

If there are history, from FFF4, getting history packet

sending the history data and the device ram will be

deleted

remove strip and shut down

Ver 1.1