



SVM F2HC

Calculator

Manual addition

Manual addition

This is only a manual addition with the differences to the standard F2 calculator.

3.3.3.1 Service/INIT mode sequence

Sequence	Description, format
00	Time, HHMM
01	Date, YYMMDD
04	Account days 1, MMDD
05	Account days 2, MMDD
06	Primary communication address set with three (3) digits, e.g. "5" is set to "0005"
07	Resetting stored error time, 1 = Reset stored error time 0 = Do not reset error time
08	Flow sensor placing, 1 = installed at Low (return) temperature (default) 2 = installed at High (supply) temperature
09	Replacement of battery date, YYMMDD Do not change without consulting METRIMA AB
0A	Exit service sequence, 1 = Exit 0 = Return to sequence "00"

Table 3.1, Service display sequence,

HH–Hour, mm–Minutes,

YY–Years, MM–months, DD–Days.

See, "Testing...., Service" for additional information

Note: Values in the service mode may only be altered by trained professionals.

Note: The display sequences in service mode may vary depending on calculator configuration.

Warning: Altering the values in the service mode can seriously effect on the calculator performance and can result in wrong measuring.

3.3.5.1 Display Sequence Normal mode

Seq	Description
10	Accumulated energy Heating (Default position)
11	Accumulated energy Cooling
12	Accumulated volume
13	Display test
14	Pulse counter 1
15	Pulse counter 2
16	Error Code
17	Accumulated Error Time, [Minutes]
20	Momentary Power [Heating Cooling]
21	Momentary Flow
22	Supply Temperature (H)
23	Return Temperature (L)
24	Temperature Difference [+/-]
30	Account days ¹ , date when values are stored, [YYMMDD]
31	Account days, Accumulated energy Heating
32	Account days, Accumulated volume
33	Account days, Accumulated energy Cooling
34	Account days, Accumulated volume pulse input 1, [m ³]
35	Account days, Accumulated volume pulse input 2, [m ³]
36	Possible error code, at time of storage.
37	Possible accumulated error time, at the time of storage, [Minutes]
40	Monthly registers ² , date when values are stored, [YYMMDD]
41	Monthly registers, Accumulated energy Heating
42	Monthly registers, Accumulated volume
43	Monthly registers, Accumulated energy Cooling
44	Monthly registers, Accumulated volume pulse input 1, [m ³]
45	Monthly registers, Accumulated volume pulse input 2, [m ³]
46	Possible error code, at time of storage
47	Possible accumulated error time , at the time of storage, [Minutes]
50	Operating time, [Hours]
51	Relevant date, [YYMMDD]
52	Relevant time, [HHMM]
53	Recommended date for battery replacement, [YYMMDD]
60	Communication address, Primary address
A9	Communication address, Secondary address
b0	Meter S/N
63	Pulse value, converted to installed unit
64	Placing of flow sensor, [F/r], F = Supply, r = Return
70	Accumulated Error time, [Minutes]
71	Previous Error Code
72	Time for previous Error code, [Minutes]

Table 3.2b, Display sequence normal mode

- 1 In order to change to the next account day, keep pushing the button until the date starts to increment, then release the button. After the display 37, see table above, the next account day will display. **Note:** If one hold the "Push Button" again the display reverts to default position (seq. 10).
- 2 To change to another month keep pushing the button until the date starts to increment. Release at the requisite month. After display 47, see above, the next stored date will be displayed. **Note:** If one hold the "Push Button" again the display reverts to default position (seq. 10).

7.4 Service

When meter is in for service there can be a necessity to change the parameter setting within the meter. Some parameters can be changed in the F2HC meter without the “Service program” version “FxHC”. Following service procedure is recommended:

1. **Brake the seals, set meter into “Service mode”,** see “*Service mode*” under *display and “Seals”* for more information.
2. **Make the changes,** see below for explanation and see “*Display, Service mode*” for display sequence.
3. **Exit service mode,** see 1,
4. **Replace the broken seals.**

7.4.0 Time

Service sequence, value number : **”00”**

The time is shown in “HHMM” where the two digits “HH” is hour with two digits, and “MM” is minutes with two digits.

7.4.1 Date

Service sequence, value number : **”01”**

The time format is “YYMMDD”, where, “YY”=Yeas, “MM”=Months and “DD”=Days.

7.4.4 Account days

The F4 have to account days at service sequence, value number :

- ”04”,** Account day 1
- ”05”,** Account day 2.

The format is ”MMDD”, ”MM”= Months, ”DD”= Days. If the ”MMDD” is set to ”0000” the meter will not store account days.

7.4.6 Communication address (primary address)

The primary communication address can be changed in display sequence **”06”**. The communication address can be set with three (3) digits, with the value 0-250.

Example, address 5 on display: 0005.

7.4.7 Resetting stored error time

Service sequence, value number : **”07”** will reset the stored error time. By changing the value to **”0”** will reset the stored error time.

7.4.8 Placement of flow sensor placing

Service sequence, value number : **”08”** is for setting placement of flow sensor. Format 1 or 0. Where:

1. = Flow sensor installed in return (cold) end of pipe
2. = Flow sensor installed in forward (hot) end of pipe.

7.4.9 Recommended date for battery replacement

Service sequence, value number : **”09”** displays recommended date for battery replacement. The format is “YYMMDD”. Where “YY” = Years, “MM”=Months, “DD”= Days.

7.3.A Return to normal mode

Service sequence, value number : **”0A”** displays return to normal mode. When value is set to 1 the meter exits the service mode when leaving “0A” sequence

© Metrima AB
Stockholm, Sweden

Date : 2003-03-17
Created by: Johan Tsung
Rev. date: 2005-03-09 MaSj

Filename : F2HC Manual [3-02-08 E].doc
Revision no.: 1.03



Metrima AB
Norra Stationsgatan 93
SE-113 64 Stockholm
Phone: +46-8 23 60 30 Fax: +46-8 23 60 31

www.metrima.se
info@metrima.se