



SVM F2

Calculator

[Installation guide](#)

Delivery

F2 is delivered in the *transport mode*. This means that only the real time clock is active. No measurements take place in this position. *Transport mode* is indicated by the display showing "no" in the upper left hand corner.

If the calculator is fed power from mains, the mains part is furnished with a backup battery for the real time clock. The life time of the battery is 6 months. If the calculator shall be stored without mains connection must the mains part be disconnected inside the calculator. See picture at page 4 in the manual.

Before installation commences the meter is to be set in the *operating mode*. This is done by pressing the push button for approximately five seconds. Normally the calculator is set in the *service mode* on leaving the *transport mode*. In the *service mode* it is possible to alter certain parameters in the calculator. See point 2.2. *Service* in the manual. To indicate that the meter has left *transport mode*, "no" on the display extinguishes and is replaced by "00 - *service mode* (alternatively "10" - *operating mode*).

Connections

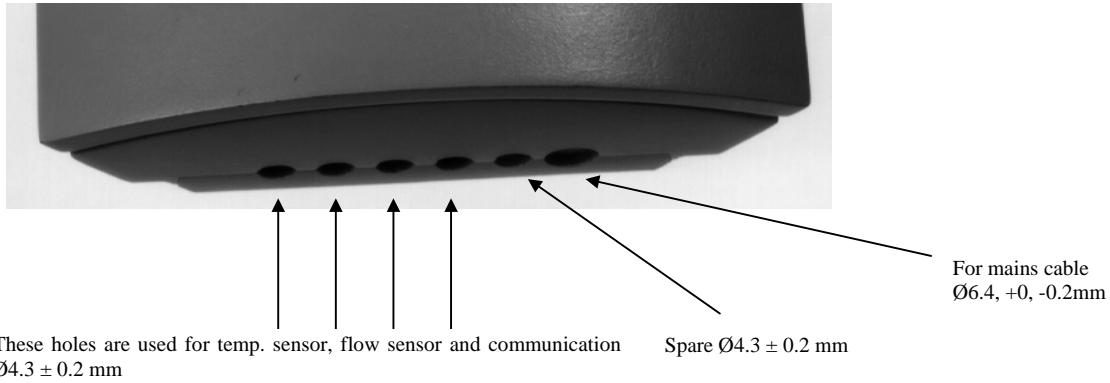
The screw terminal blocks are situated under the cover on the rear side of the calculator. Signals to the calculator are connected as follows:

Terminal no. According to EN1434	Terminal Inscription	Signal descriptor
9	3V	Flow sensor, positive supply voltage output
10	Kt	Flow sensor signal input
11	0	Flow sensor reference input
5	F	High temperature sensor
6	F	High temperature sensor
7	R	Low temperature sensor
8	R	Low temperature sensor
16	P1	Remote counting pulses energy output / pulse input 1
17/19	0	Remote counting outputs/pulse inputs reference level
18	P2	Remote counting pulses volume output / pulse input 2
50	A	Alarm output signal
60	A1	SIOX interface (option)
61	B1	SIOX Interface (option)
24	MBUS	Meter bus interface
25	MBUS	Meter bus interface

If the calculator is fed power from mains, the mains part is furnished with a fixed cable for connection to mains.

Lead-throughs

F2 has six holes for connecting cables. To ensure that the casing complies with requisite environment class prerequisites the following cable diameters are to be used:



Mounting

F2 can be mounted either on the flow sensor or on a wall. When the calculator is mounted on the flow sensor, the adapter provided for this purpose is to be used. The adapter allows the calculator to be mounted vertically or horizontally, see figure below.

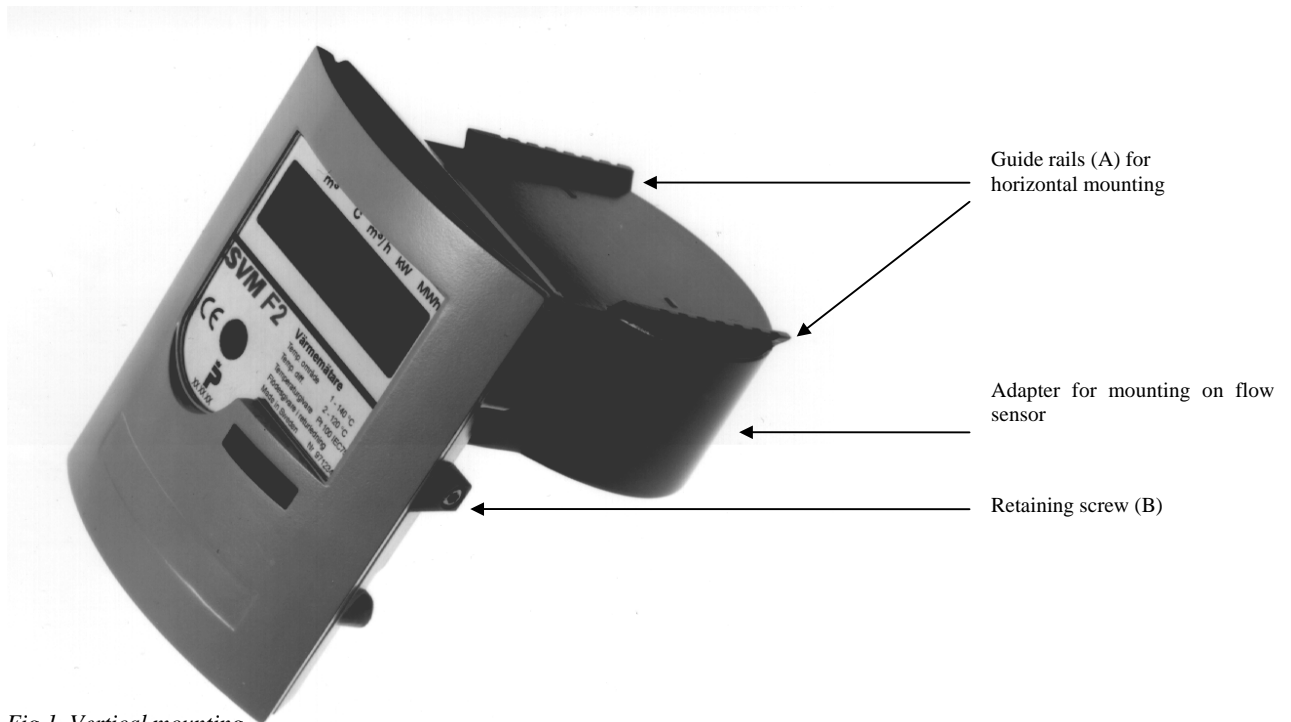


Fig.1, Vertical mounting

Slide the calculator onto the guide rails (A), and secure it with the retaining screw (B).
NOTE: In the figure the rails for vertical mounting are concealed behind the meter.

The special wall holder is to be used for mounting on a wall.

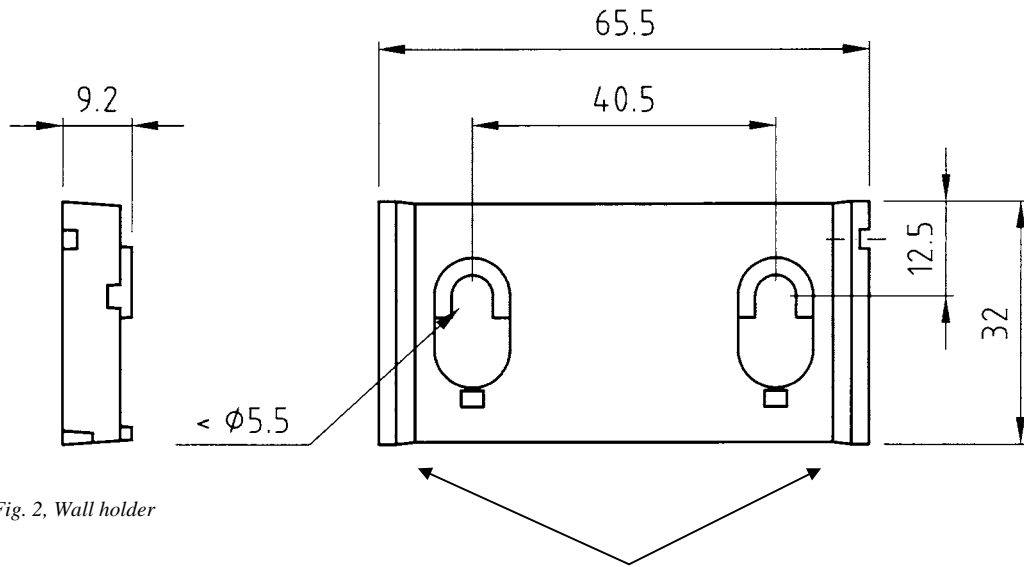


Fig. 2, Wall holder

Guide rails (A)
for mounting of calculator

Mount the holder at the wall and slide the calculator onto the guide rails (A). Secure it with the retaining screw (B in figure 1).

Function test

When installation has been completed a simple test is to be undertaken to verify that the calculator has been installed correctly. This is easiest done by waiting until the flow sensor supplies a pulse. This shall result in the symbol for flow sensor pulse, see point 2.2 *Values shown on display* in the manual, flashing once, and display of the correct temperatures.

If not undertaken previously, a check is to be made to verify that the built-in realtime clock is working correctly. If this is not the case, correct it, see point 2.2 *Service* in the manual.



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

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050316/MaSj