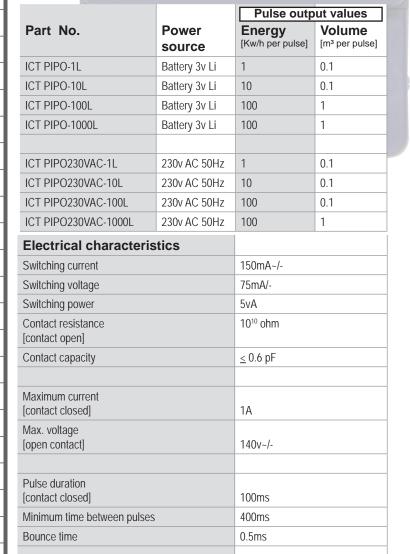
Wall-mounted calculator Calculator • MID Approved

- BMS output
- Pulsed output [Kw/hr], M-bus or 4-20mA versions
- Dn 15-300 applications
- Battery [6 year life] or 230v AC versions
- IP54 protection rating
- EMC Class C according to EN1434
- Measurement range 5-150°C
- Ambient temperature: 0 55°C
- Temperature resolution: 0.01°C
- Measuring frequency 20 120 seconds
- Selectable annual billing date
- No data loss when battery removed
- PT500 sensors
- Optional version with two pulsed inputs available







ADDITIONAL FEATURES

- Continuous display of the accumulated heat energy on a large LCD display
- Application-oriented display menu; easy to scan using operating key
- Data storage six times a day in nonvolatile memory
- Hourly self-check
- 12 monthly values readable on the display or via the optional interface
- Available lengths of temperature sensor 3m [2-wire type] and 10m [4-wire type]
- Installation in temperature pockets of various lengths possible.

HEAT METERS

Wall-mounted calculator Calculator

THE MENU

The large high-contrast display continuously shows the accumulated heat energy. This enables an easy, sure and quick read-out of the most commonly needed figures.

Main loop A1

2567,783 MWh

1] Total heat quantity [standard display] 8888<u>8</u>88 MWm³ * ■ ⊙ max ▼ [6Jh

2] Segment test - all segments are triggered simultaneously

2234<u>6</u>8_1MWh

E3 1.1206

 Heat quantity at last annual billing date, alternating with last billing date

H 180307

41 Current date

F004000

5] Error message "F".
"d" stands for days since error

648 (<u>8</u>1

6] Total volume since installation in m³

3] Forward flow and return flow

Technician loop A2

4.3521 *q*

1] Current flow in m³/h

3<u>.</u>1<u>8</u>9kW

2] Current power in kW

,98 63_T

3463 T 4) Temperature difference

n3 l. 1207

5] Date of next billing date

d 658

6] Days in operation since verification

temperatures

Pro I

7] Pulse value, alternating with its unit

9400 100 M n

8] Customer number or measurement location number

ρūS

91 M-bus address

8400 100

10] Serial number

Statistic loop A3

136 10 19 MM

E3 1,12,05

1] Heat quantity at next-to-last billing date, alternating with next-to-last billing date

54**6**8₫፲<u>3</u>lk₩

ESBOSOJ

2] Heat quantities of the last twelve months alternating with the corresponding billing date.

Tariff loop A4

4, 150 k W [⊕] max

1] Maximum power for one hour

4<u>92</u>8

2] Maximum flow for one hour

ҶҬ<u>ҕ҇</u>ӶӀҝѠ ^{⊙ max} E3 1 1500

3] Maximum power to previous billing date, alternating with previous billing date

4<u>9</u>28 a

E 3 1 1500

3] Maximum flow to previous billing date, alternating with previous billing date

All sizes are approximate and are given for guidance only. Products and specifications may be subject to change from those shown without notice.

HEAT METERS

Wall-mounted calculator Calculator

STORAGE INSTRUCTIONS

Dry and frost protected

MOUNTING INSTRUCTIONS

Affix the wall mounting bracket [supplied with the calculator] to the wall and clip on the calculator.

Connect the wires as described below [for the pulsed BMS output].

Clip the calculator on the output module

Remove the terminal cover on the front of the calculator.

Connect two wires from water meter to left hand terminal [NOT polarity sensitive] to give pulsed input flow rate.

Re-fit terminal cover.

2

CONNECTION OF THE PULSE OUTPUT UNIT

To clamp on the **pulse output for energy**: the clamps **7** and **8** must be connected.

The short circuit wire between 4 and 5 must be removed.

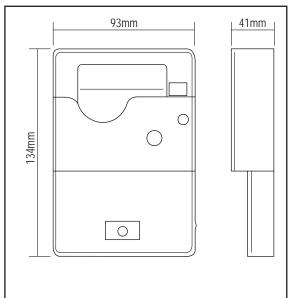
To clamp on the **pulse output for volume**: the clamps **3** and **4** must be connected.

The short circuit wire between 8 and 9 must be removed.

12 $k\Omega$

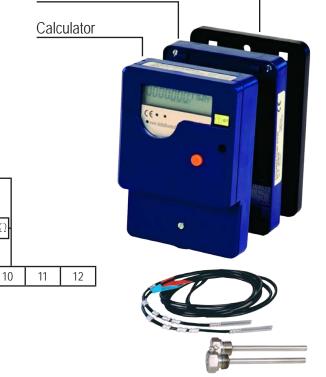
2.2kΩ

DIMENSIONS



Wall mounting bracket

Output module



Temperature sensors and pockets

All sizes are approximate and are given for guidance only. Products and specifications may be subject to change from those shown without notice.

2.2kΩ

12 $k\Omega$

Energy

Volume