

## Full menu overview for zelsius® C5 heat meter (Firmware version 5.01.3)




















Using a single button, you can access all the device features, parameters and consumption data such as energy, flow rate, temperatures, specified reading date values, maximum values or monthly measured values. The innovative visualisation on the display of the zelsius® C5 enables any unusual operating conditions to be quickly identified.

Depending on the equipment model, the display may differ from the diagrams below in number and sequence.







Within this full menu overview, displays appearing only on special equipment are labelled accordingly.

### Symbol descriptions

Heat meter status and display symbols:

 SLEEP		Equipment in sleep mode must be activated with a five-second button press (until the energy display appears)	
	Level display		Specified reading date value
	Cooling energy		Monthly value
	Supply temperature		Consumption since specified reading date
	Return temperature		Consumption since beginning of the month
	Temperature difference		Absolute maximum value
	Flow rate display		Maximum value within a month
	Error message		External power supply
	Submenu available		Flashing: data transmission active Permanently lit: optical interface active
	Input display (1-3)		Emergency operation



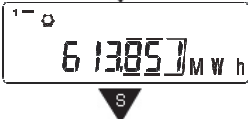






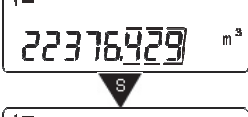



The following symbols describe how to navigate through the menu structure:

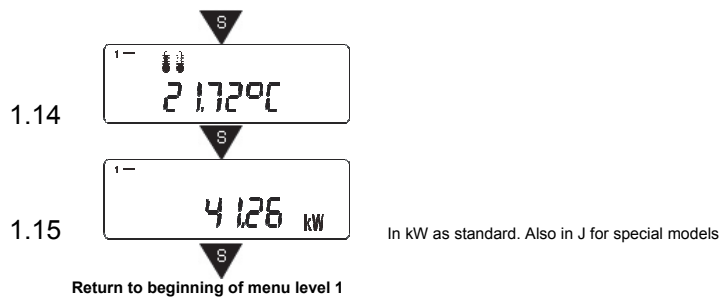
	Hold down button until level changes
	Press button briefly; to scroll downwards
	Press button briefly; to scroll left
	Press button for around two seconds; door symbol  (top left of display) disappears and reappears; then release button
	Hold down button until you return from the submenu

More detailed descriptions of displays can be found after the menu overview.

## Menu level 1

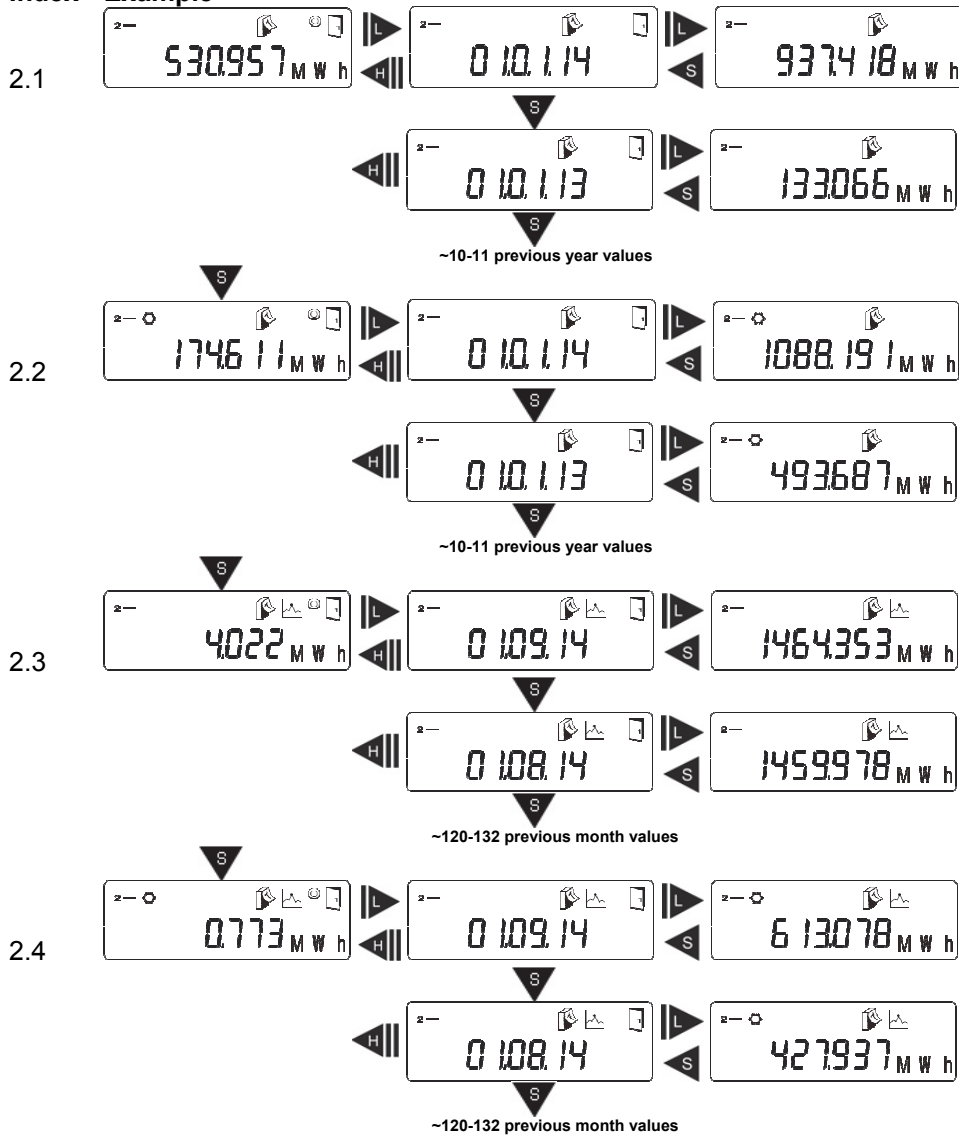
### Index Example

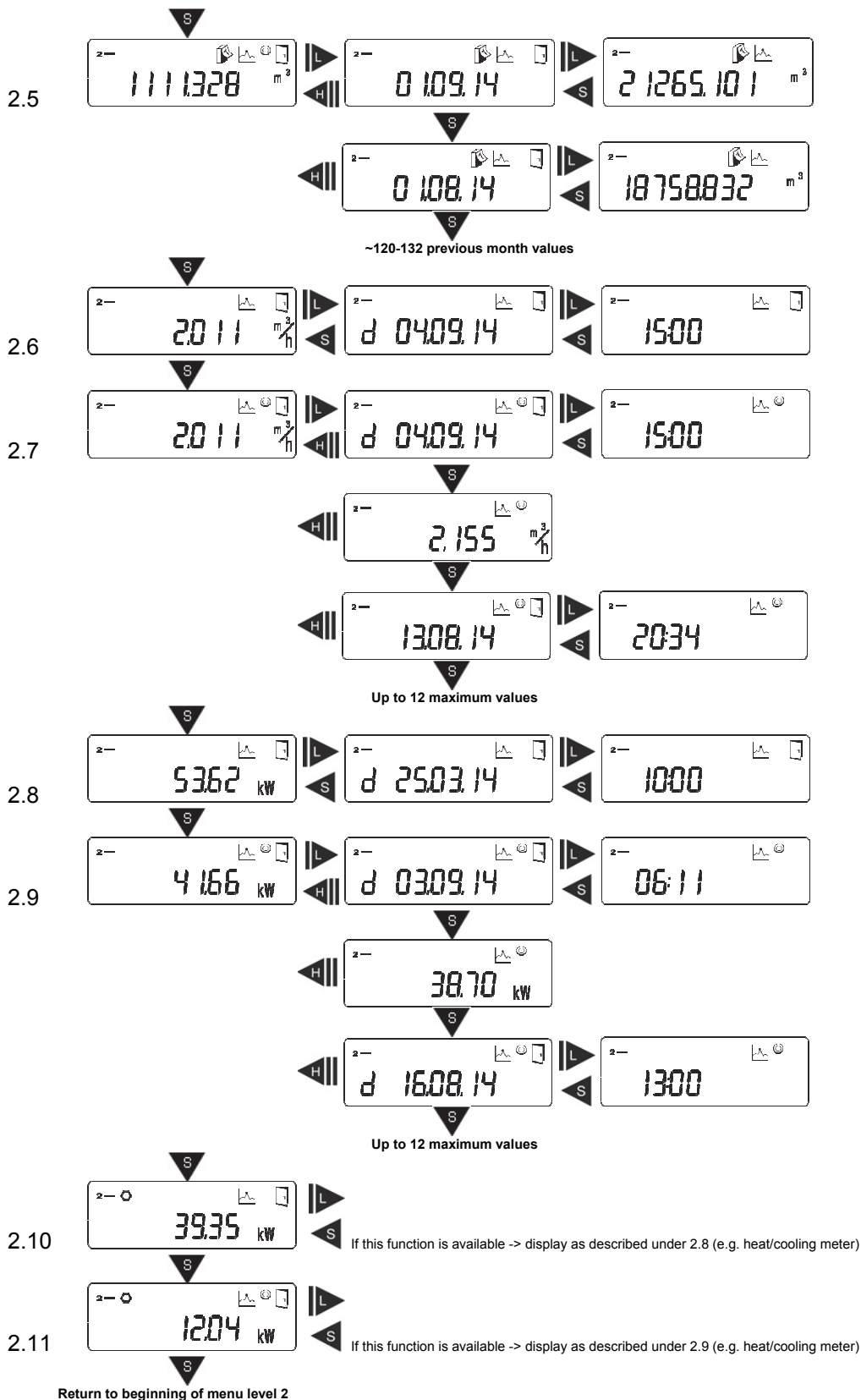
1.1		In MWh as standard. Also in GJ for special models
1.2		Special models only
1.3		Heat/cooling meters only (changeover)
1.4		Flashing display
1.5		Standard: 1 January. Other months upon request
1.6		In MWh as standard. Also in GJ for special models
1.7		Heat/cooling meters only (changeover)
1.8		Special models only
1.9		Special models only
1.10		
1.11		
1.12		
1.13		



## Menu level 2

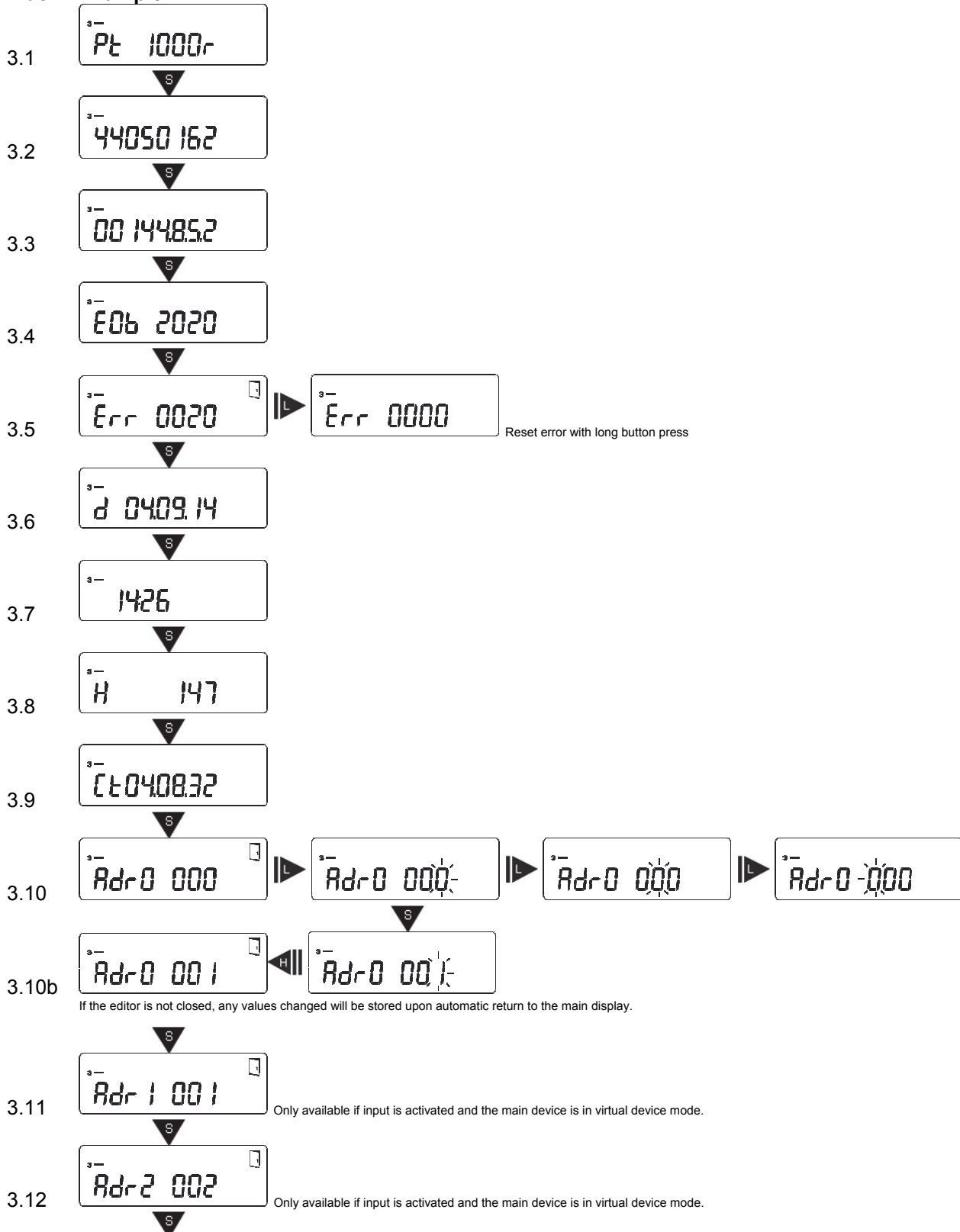
### Index Example

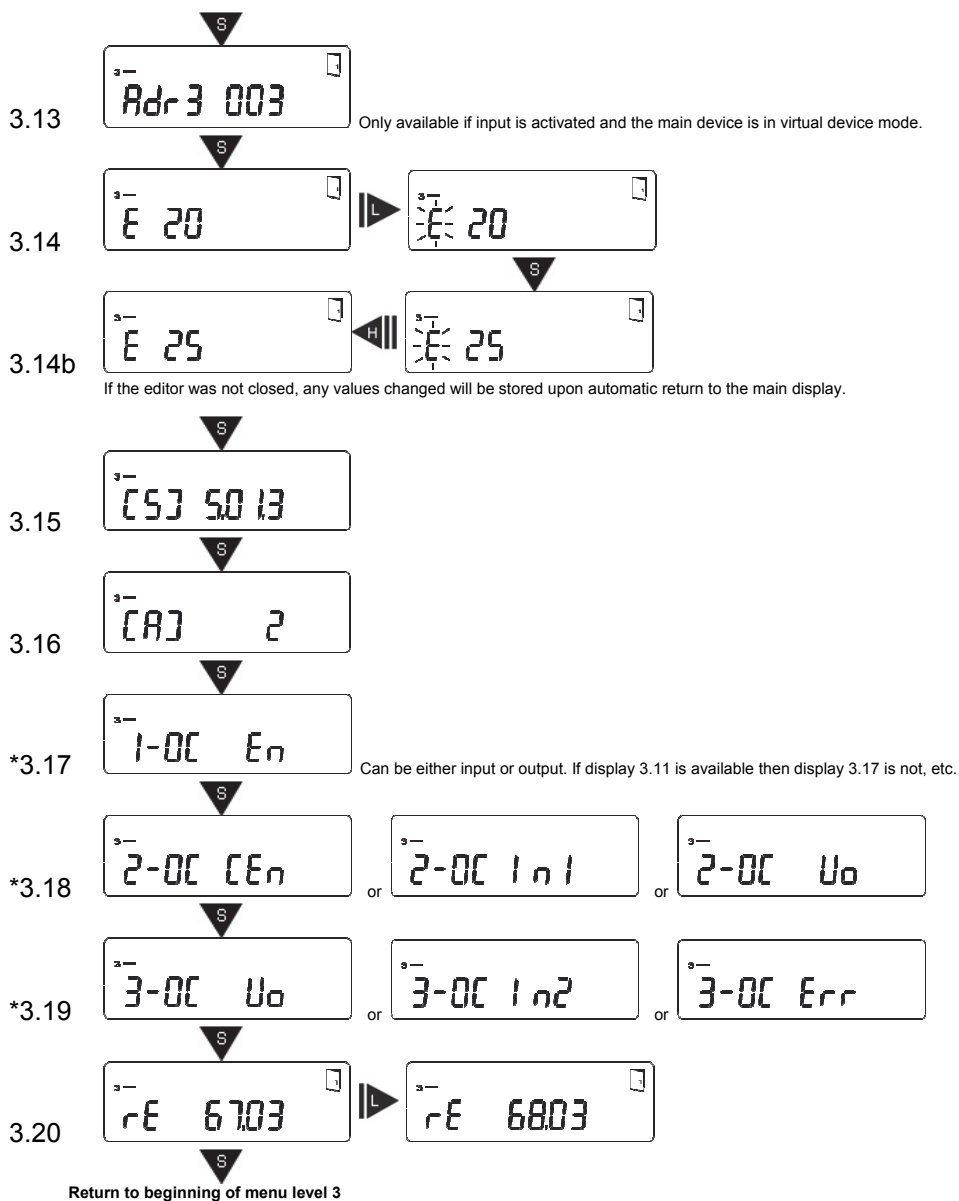




### Menu level 3

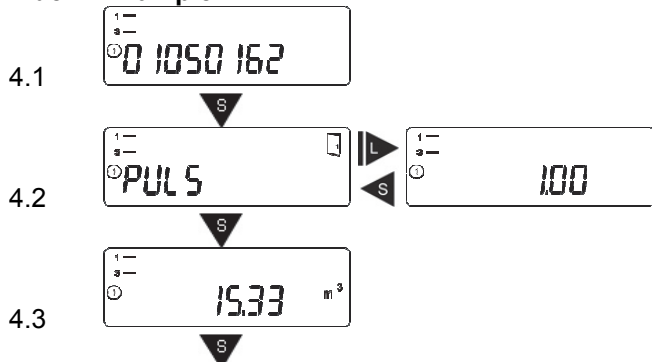
Index Example

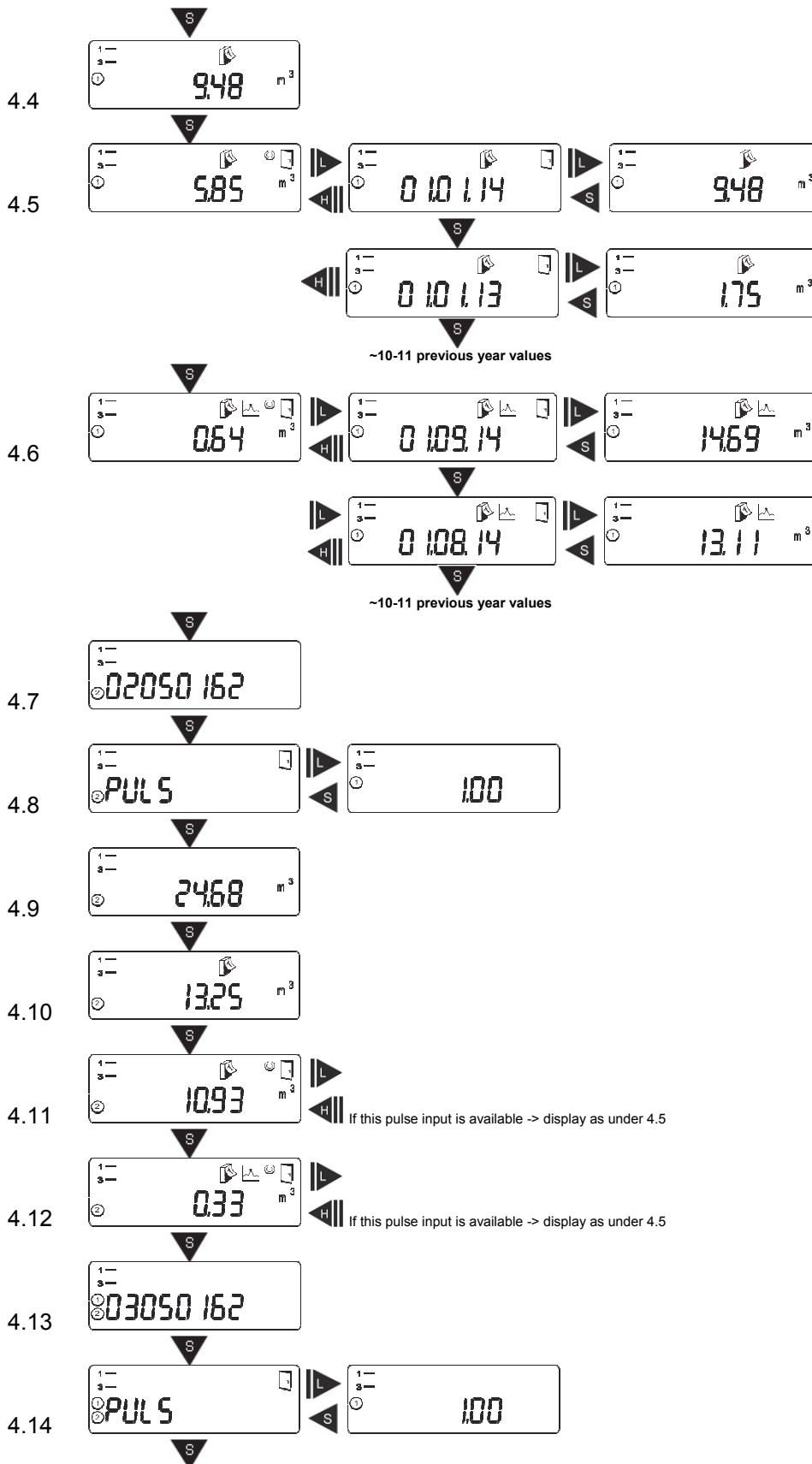


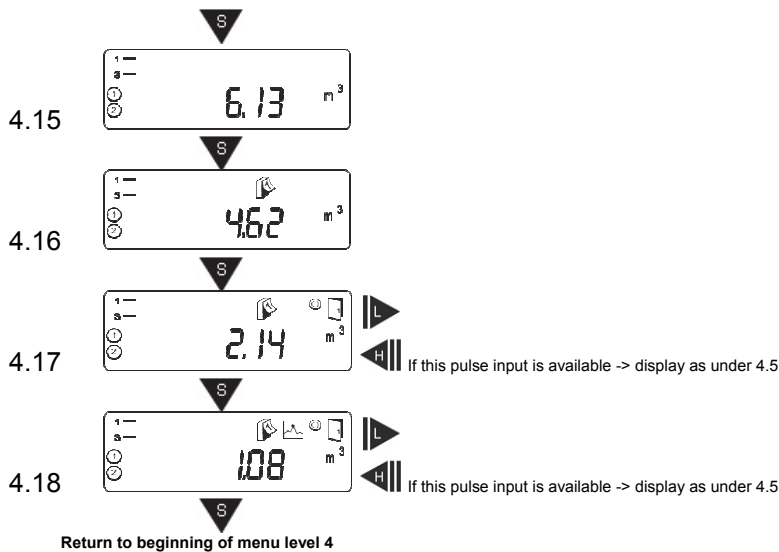


## Menu level 4

### Index Example







## Menu description level 1


Index	Description
1.1	Total cumulative energy in MWh or GJ if positive delta T since equipment calibration. <b>NB:</b> In MWh as standard. Also in GJ for special equipment.
1.2	Total cumulative energy in GCal if positive delta T since equipment calibration. <b>NB:</b> Special equipment only.
1.3	Total cumulative energy if negative delta T since equipment calibration. <b>NB:</b> Heat/cooling meters only (changeover).
1.4	LCD segment test to check that the display is functioning correctly. <b>NB:</b> Flashing display!
1.5	Specified reading date (month 1-12): a specified reading date is a calendar-defined date for analysing the measurement data recorded. On this date, the measurement data is copied to the equipment's specified reading date registry. <b>NB:</b> Standard 1 January. Other months upon request.
1.6	Heating energy on specified reading date <b>NB:</b> In MWh as standard. Also in GJ for special equipment.
1.7	Cooling energy on specified reading date <b>NB:</b> In MWh as standard. Also in GJ for special equipment.
1.8	Check number <b>NB:</b> Special equipment only.
1.9	Total cumulative mass (temperature dependent) of the heat carrier flowing through the heat meter since equipment calibration (mass flow). <b>NB:</b> Special equipment only.
1.10	Total cumulative volume since equipment calibration
1.11	Current flow rate
1.12	Current supply temperature
1.13	Current return temperature
1.14	Current temperature difference
1.15	Instantaneous power



## Menu description level 2

Index	Description
2.1	Cumulative energy in MWh or GJ if positive delta T since last specified reading date. The corresponding specified reading date information from the previous year can be accessed with date and value in the submenus. The specified reading date logger stores the previous year's values for the entire service life of the equipment.
2.2	Cumulative energy in MWh or GJ if negative delta T since last specified reading date. The corresponding specified reading date information from the previous year can be accessed with date and value in the submenus. The specified reading date logger stores the previous year's values for the entire service life of the equipment.
2.3	Cumulative energy in MWh or GJ if positive delta T since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenu. The month logger stores the previous year's values for the entire service life of the equipment.
2.4	Cumulative energy in MWh or GJ if negative delta T since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenus. The month logger stores the previous year's values for the entire service life of the equipment.
2.5	Cumulative volume of the heat carrier in m <sup>3</sup> since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenus. The month logger stores the previous year's values for the entire service life of the equipment.
2.6	Maximum flow rate since equipment start-up. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value will be overwritten by a higher value if applicable. The value is not reset. Date and time can be accessed in the submenus.
2.7	Maximum flow rate since the beginning of the month. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value is reset at the beginning of every month. Date and time and the previous months' values (up to 12) can be accessed in the submenus.
2.8	Maximum heat output since equipment start-up. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value will be overwritten by a higher value if applicable. The value is not reset. Date and time can be accessed in the submenus.
2.9	Maximum heat output since the beginning of the month. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value is reset at the beginning of every month. Date and time and the previous months' values (up to 12) can be accessed in the submenus.
2.10	Maximum cooling output since equipment start-up. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value will be overwritten by a higher value if applicable. The value is not reset. Date and time can be accessed in the submenus. <b>NB:</b> If this function is available --> as for max. heat output (e.g. heat/cooling meter).
2.11	Maximum cooling output since the beginning of the month. This value is calculated on the basis of an hourly average and does NOT provide the absolute peak value. The value is reset at the beginning of every month. Date and time and the previous months' values (up to 12) can be accessed in the submenus. <b>NB:</b> If this function is available --> as for max. heat output (e.g. heat/cooling meter).

### Menu description level 3

Index	Description
3.1	Sensor type and installation location of volumetric measuring unit
3.2	Equipment serial number. This is the last 8 digits of the OBIS identifier printed on the body.
3.3	Type number (SAP article number)
3.4	Date until which the equipment battery will last under high load. Batteries are normally able to last for significantly longer.
3.5	Error status (resettable). If the error persists this will be re-displayed.
3.6	Equipment clock date display
3.7	Equipment clock time display
3.8	Operating hours since start-up (from deactivation of sleep mode)
3.9	Measurement cycle times (in seconds: volume / fast temperature / standard temperature, e.g. 04.08.32)
3.10	Equipment M-Bus address (main device). Editable. <b>NB:</b> If the editor is not closed, any values changed will be stored upon automatic return to the main display.
3.11	M-Bus address of equipment input 1 (I/O1). Editable. <b>NB:</b> Only available if input is activated and the main device is in virtual device mode. The editor functions as on the main device.
3.12	M-Bus address of equipment input 2 (I/O2). Editable. <b>NB:</b> Only available if input is activated and the main device is in virtual device mode. The editor functions as on the main device.
3.13	M-Bus address of equipment input 3 (I/O3). Editable. <b>NB:</b> Only available if input is activated and the main device is in virtual device mode. The editor functions as on the main device.
3.14 / 3.14b	Water-glycol mixture ratio. Editable display for predefined mixtures of ethylene or propylene glycol. E 0 = water without added glycol. <b>NB:</b> If the editor was not closed, any values changed will be stored upon automatic return to the main display.
3.15	Equipment firmware version
3.16	Certification version
*3.17	Proportional pulse to output 1. The following options are available: *Proportional pulse for heat energy  * = set as standard <b>NB:</b> Can be either input or output. If display 3.11 is available then display 3.17 is not, etc.
*3.18	Proportional pulse to output 2. The following options are available: - *Proportional pulse for cooling energy - Proportional pulse output for input 1 - Proportional pulse for heat carrier volumes  * = set as standard
*3.19	Proportional pulse to output 3. The following options are available: - *Proportional pulse for heat carrier volumes - Proportional pulse output for input 2 - Output if error message  * = set as standard
3.20	Optical interface residual energy. If the value is '0', no further optical head readings are possible on the same day. The residual energy can be increased with a two-second button press (until the door symbol  reappears).

## Menu description level 4

Index	Description
4.1	Unique device number
4.2	<p>Input 1 pulse value factor. The pulse value factor is a measurement for weighting a pulse with regard to display resolution for the relevant input. This factor is always displayed to two decimal places.</p> <p>Example for calculating the input pulse value: Input display: 0.000 m<sup>3</sup> Pulse value factor: 1.00 Pulse value: 1 l (value of last display position) x 1.00 = 1 L/pulse</p> <p>Input display: 0.00 m<sup>3</sup> Pulse value factor: 1.00 Pulse value: 10 l (value of last display position) x 1.00 = 10 L/pulse</p>
4.3	Cumulative volume of equipment connected to input 1.
4.4	Cumulative volume of equipment connected to input 1 on specified reading date.
4.5	Cumulative volume since last specified reading date. The corresponding specified reading date information from the previous year can be accessed with date and value in the submenus. The specified reading date logger stores the previous year's values for the entire service life of the equipment.
4.6	Cumulative volume since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenu. The month logger stores the previous year's values for the entire service life of the equipment.
4.7	Unique device number
4.8	Input 2 pulse value factor. See 4.2
4.9	Cumulative volume of equipment connected to input 2.
4.10	Cumulative volume of equipment connected to input 2 on specified reading date.
4.11	Cumulative volume since last specified reading date. The corresponding specified reading date information from the previous year can be accessed with date and value in the submenus. The specified reading date logger stores the previous year's values for the entire service life of the equipment.
4.12	Cumulative volume since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenu. The month logger stores the previous year's values for the entire service life of the equipment.
4.13	A unique device number.
4.14	Input 3 pulse value factor. See 4.2
4.15	Cumulative volume of equipment connected to input 3.
4.16	Cumulative volume of equipment connected to input 3 on specified reading date.
4.17	Cumulative volume since last specified reading date. The corresponding specified reading date information from the previous year can be accessed with date and value in the submenus. The specified reading date logger stores the previous year's values for the entire service life of the equipment.
4.18	Cumulative volume since the beginning of the month. The corresponding values from the previous month can be accessed with date and value in the submenu. The month logger stores the previous year's values for the entire service life of the equipment.