8   Menus

8.1   Overview

8.1.1   Commands

Operation	Key
Access menu or exit menu	(MENU)
Select	(⬍) (▲) (▼) (⬍)
Confirm	(⬤) (corresponds to **enter** on the screen)
Select ☑ / Deselect ☐	(⬍)

8.1.2   Menu Description

Menu	Symbol	Stop Infusion Required	Associated Procedure
Profile	Pro	NO	▪ Displaying active profile information, page 85.
Pressure	↻	NO	▪ Modifying the pressure limit, page 86.
Volume to be infused	VTBI	NO	▪ Changing VTBI, page 88.
Keypad lock status	🔒	NO	▪ Locking / Unlocking the keypad, page 89.
Battery life	🔋	NO	▪ Viewing the battery life, page 91.
Volume Infused	mL?	NO	▪ Viewing and clearing the volume or dose infused, page 92.
Dose Infused			
Pause	⧗	YES	▪ Programming a pause, page 93.
Drug	✚↻	YES	▪ Changing the drug selection, page 94.
Patient	👤	NO	▪ Changing a patient's weight or body surface area, page 95.
Day/Night mode	☾	NO	▪ Switching between day mode and night mode, page 96.
Primary / Secondary	P/S	YES	▪ Programming a secondary infusion, page 98.
Programmed bolus	▬	NO	▪ Programming a bolus, page 98.
Flow Rate (mL/h)	mL/h	YES	▪ Changing the infusion mode, page 99.
Dose	Dose	YES	

Menu	Symbol	Stop Infusion Required	Associated Procedure
Ramp-up / Ramp-down	⌒	YES	▪ Modifying a ramp-up /ramp-down infusion, page 100.
Sequential	seq	YES	▪ Modifying a sequential infusion, page 100.
Alarm volume	▁▃▅	NO	▪ Adjusting the alarm volume, page 101.
Call-back		NO	▪ Activating / Deactivating the call-back alert, page 102.
View flow rate history		NO	▪ Viewing flow rate history, page 104.
View pressure history		NO	▪ Viewing pressure history, page 105.
View event log		NO	▪ Viewing the event log, page 106.
Date / Time		NO	▪ Setting up the date and time, page 107.
Maintenance		NO	▪ Displaying maintenance information, page 108.
Library information	✚	NO	▪ Displaying drug library information, page 109.
Clinical information	✚	NO	▪ Viewing remaining time before clinical information display, page 110.
Data Set	DS	NO	▪ Displaying active data set information, page 111.

Note: The displayed menu may change depending on the pump configuration.

For more information on factory configuration, refer to Appendix: Factory Configuration, page 181.

8.2   Profile

Symbol	Pro
Procedure	Displaying active profile information
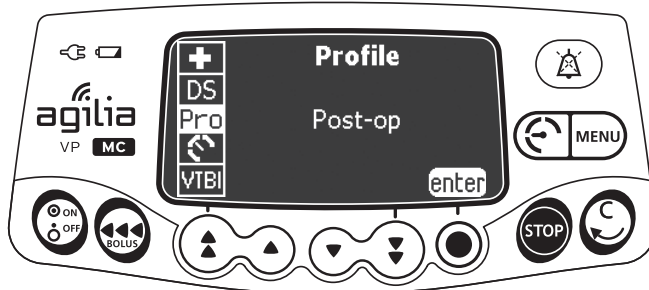
You can display the active profile name as follows:

1. Press MENU.

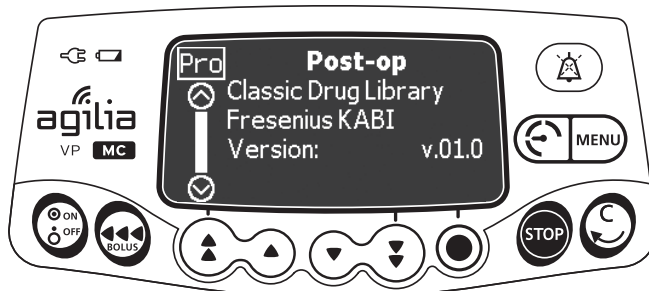**2.** Press the arrow keys to select Pro .

3. Press **enter**.
The active profile information is displayed.

8.3   Pressure

Symbol	![pressure symbol]
Procedure	Modifying the pressure limit

The pump pressure limit is pre-defined in the pump options in one of the following modes:

- **3 levels** (low ![icon] , medium ![icon] , high ![icon]).
  The pressure limit is adjustable according to 3 pre-set values.

- **Variable** ![icon]
  The pressure limit is adjustable within a pre-defined range.

When the pressure limit is reached, an occlusion alarm is triggered. You must silence the alarm, resolve the occlusion and start the infusion again.

To consult the pressure settings, see section 15.9, page 136.

Warning

When addressing or clearing an occlusion, ensure the fluid flow to the patient is OFF to prevent administering an unintended bolus. An occlusion may pressurize the administration set, which can result in an unintended bolus of drug when the occlusion is cleared. In order to prevent this additional bolus, disconnect the administration set or relieve the excess pressure through a stopcock, if present. The health care professional should weigh the relative risks of disconnection with the risks of an unintended bolus of drug.
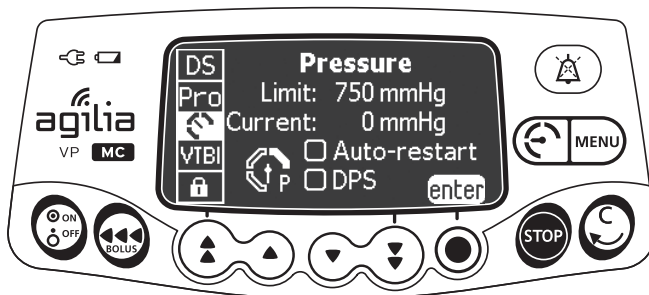
You can modify the pressure limit as follows:

1. Open the pressure menu in one of the two following ways:

- Press ![icon].

- Through the Menu:

  - Press ![MENU].

  - Press the arrow keys to select ![icon] .

2. Press **enter** to access the pressure limit screen.
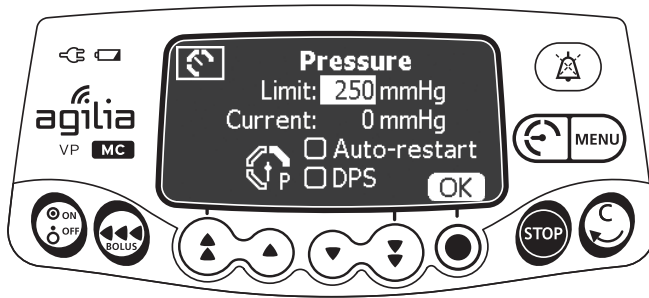
3. Press the arrow keys to increase or decrease the pressure limit.

4. Press **OK** to validate.

5. Press ☑/☐ to enable or disable the Auto-restart function (optional).

6. Press **OK** to confirm.

7. Press ☑/☐ to enable or disable the DPS function (optional).

8. Press **OK** to confirm.

Warning

To avoid the presence of air and to minimize the amount of time it takes the pump to recognize an occlusion and generat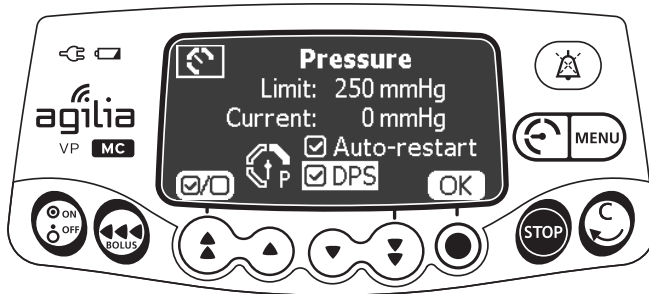e an alarm while infusing at low rates (e.g., less than 5 mL per hour, and especially flow rates less than 0.5 mL per hour): consider occlusion pressure threshold setting and adjust it, as necessary. The lower the occlusion pressure threshold setting, the shorter the occlusion detection time. However, when infusing viscous or thick fluids (e.g., lipids), the occlusion pressure threshold setting may need to be adjusted to reduce false alarms.

Information
- *For more information on the Auto-restart function, see section 7.11.3, page 81.*
- *The Dynamic Pressure System (DPS) informs the user of any sudden rise or drop in pressure before the pressure limit is reached.*
- *If variable pressure mode is enabled, a pre alarm is triggered when the pressure reaches 50 mmHg below maximum pressure (25 mmHg when maximum pressure is 50 mmHg).*
- *If other pumps are used in parallel, it is recommended that their pressure limits be adjusted to the same level.*

8.4   Volume To Be Infused (VTBI)

Symbol	VTBI
Procedure	Changing VTBI
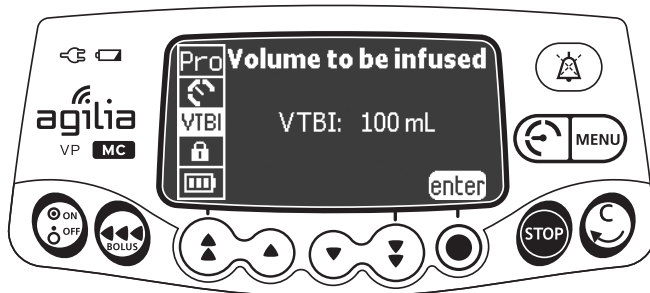
You can change the VTBI as follows:

1. Press MENU.

2. Press the arrow keys to select VTBI .
   The active VTBI is displayed.

3. Press **enter**.

4. Press the arrow keys to modify the VTBI.

5. Press **OK** to confirm.

8.5   Keypad Lock Status

Symbol	🔒
Procedure	Locking / Unlocking the keypad

You can use this feature to avoid inadvertent key presses.

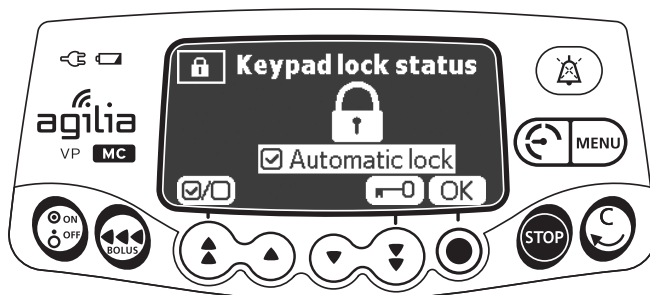*Note: The following features can be activated or deactivated in the pump options:*

- *Automatic lock: The keypad will lock automatically at infusion start, or after a time-out.*
- *Unlock code: The user must enter a code to unlock the keypad.*

Locking the Keypad
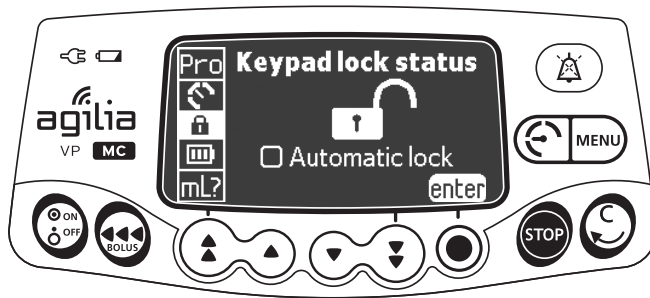
You can lock the keypad as follows:

1. Press MENU.

2. Press the arrow keys to select 🔒 .
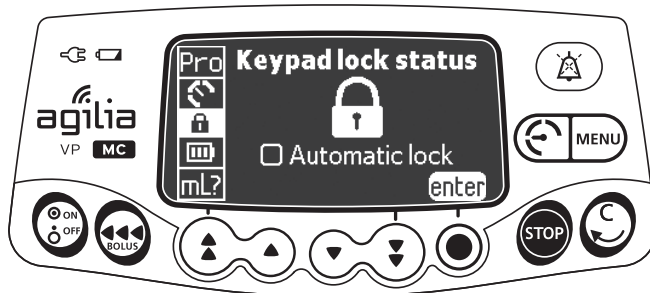
3. Press **enter**.

4. Lock the keypad as follows:

- Press ▬━0 to lock the keypad.

  The keypad is locked and the screen displays 🔒 *.*

- Press ☑/☐ to activate the automatic lock.
  The keypad will lock automatically at infusion start. If the keypad is unlocked during the infusion, it will lock again automatically after a time-out.
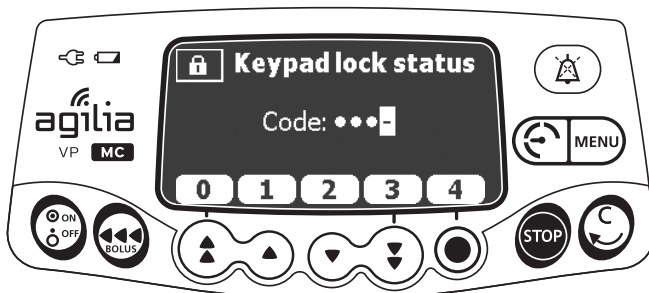
5. Press **OK** to confirm.

Unlocking the Keypad

You can unlock the keypad as follows:

1. Press [MENU].

2. Press the arrow keys to select 🔒 .

3. Press **enter**.

Unlock code enabled
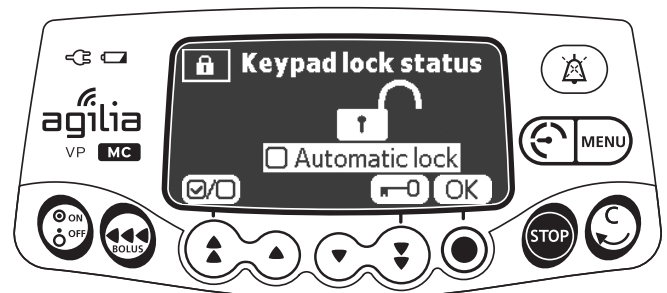
Unlock code disabled

4. Unlock the keypad as follows:

- If a code is required, press the keys to enter the unlock code.
  The keypad is unlocked.

- If no code is required, press ▬━0 , and press **OK** to confirm.

  The keypad is unlocked and the screen displays 🔓 *.*

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Information

- *The* ⏹ *and* 🔔 *keys remain functional when the keypad is locked.*

- *During keypad lock, the* ⦿ *key is functional when the infusion is stopped.*

- *During keypad lock, the* ⏻ *key is functional when an alarm occurs, or at the end of infusion.*

- *The keypad locked status is memorized when the pump is powered off.*

- *In case of forgotten unlock code, contact your biomedical department.*

8.6   Battery Life

Symbol	🔋
Procedure	Viewing the battery life
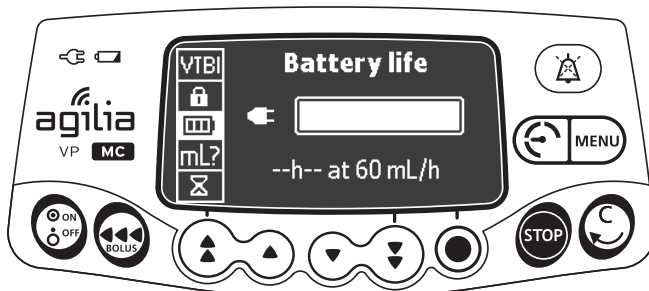
You can view the battery life as follows:

1. Press MENU.

2. Press the arrow keys to select 🔋 .
   The time remaining under current flow rate conditions is displayed.
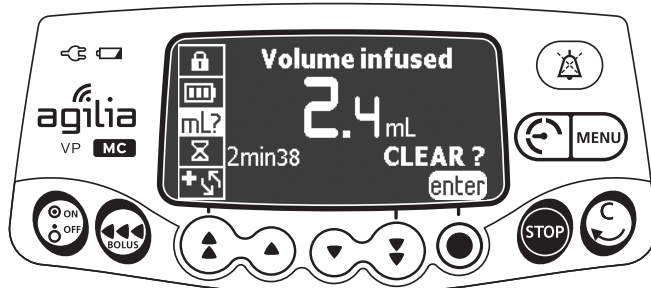
The bar graph shows a visual representation of battery life.

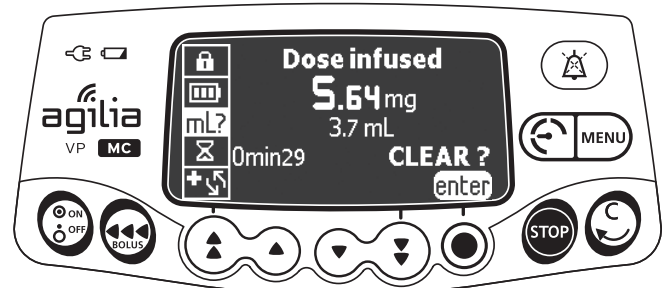The symbol displayed shows the following:

- 🔌 : The pump is plugged into the AC power supply.

- ⚡ : The pump is operating on battery.

8.7 Volume Infused / Dose Infused

Symbol	mL?
Procedure	Viewing and clearing the volume or dose infused

Flow rate   **Dose**

You can view and clear the volume or dose infused as follows:

1. Press [MENU].

2. Press the arrow keys to select mL? .
The total volume, or total dose, infused includes primary and secondary infusions, loading doses and boluses. The length of time over which they were infused is also displayed.

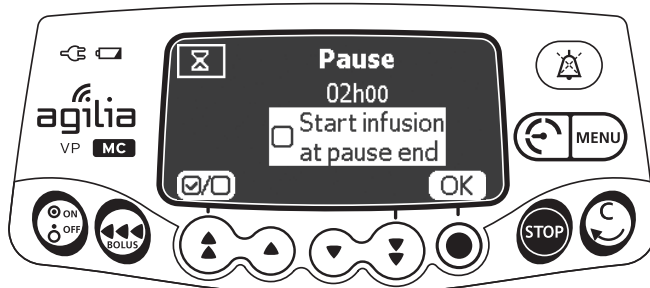**3.** To clear the volume or dose infused, press **enter**.

4. Press **OK** to confirm.

Information

When the pump is powered off or a new drug is selected, the volume or dose infused is cleared.
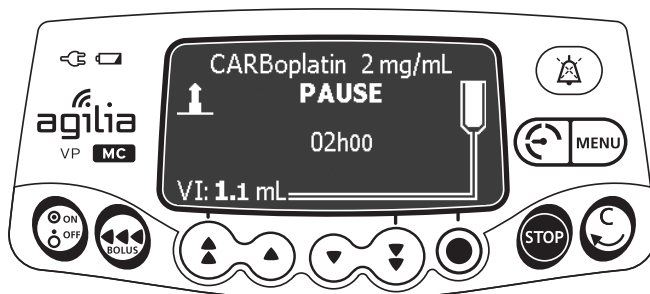
8.8 Pause

Symbol	⏳
Procedure	Programming a pause

You can program a pause as follows:

1. Press **STOP** to stop the infusion.

2. Press **MENU**.

3. Press the arrow keys to select ⏳ .

4. Press **enter**.

5. Press the arrow keys to program the pause duration in hours and minutes, and press **OK**.

6. Press the ☑/☐ button to activate the "Start infusion at pause end" feature (optional).

7. Press **OK** to begin the programmed pause.

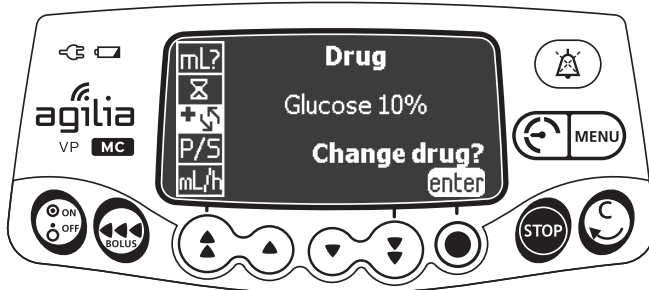8. To restart the infusion before the end of the pause period, press ⏺, and **start**.

Information

If you do not activate the "Start infusion at pause end" option, an audible alarm is generated at the end of the pause. The infusion must be started manually to continue the infusion.
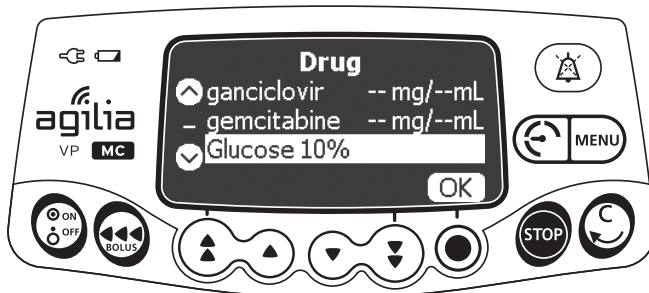
8.9   Drug

Symbol	✚↻
Procedure	Changing the drug selection

You can change the drug selection as follows:

1. Press **STOP** to stop the infusion.

2. Press **MENU**.

3. Press the arrow keys to select ✚↻.

4. Press **enter**.

5. Press **OK** to confirm.

6. Press the arrow keys to select the new drug.

7. Press **OK** to confirm selection.

8. Press **OK** to validate new drug's settings.

9. Press **OK** to acknowledge the drug modification and continue programming infusion, or **C** to select another drug.

10. Program the infusion for the new drug.

- *Changing a drug resets the infusion settings.*
- *If the previous infusion was programmed by flow rate, the new drug's confirmation screen will display VI (Volume Infused).*
- *If the previous infusion was programmed by dose, the new drug's confirmation screen will display DI (Dose Infused).*

8.10 Patient

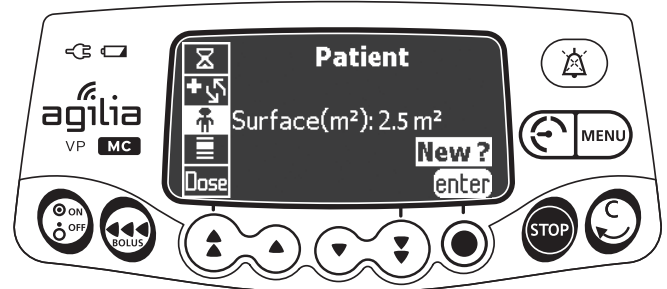| Symbol	![patient symbol]
Procedure	Changing a patient's weight or body surface area

Information

- *If the selected dose rate unit is weight-based (kg), the screen displays the patient's weight.*
- *If the selected dose rate unit is body surface area-based (m²), the screen displays the patient's body surface area.*
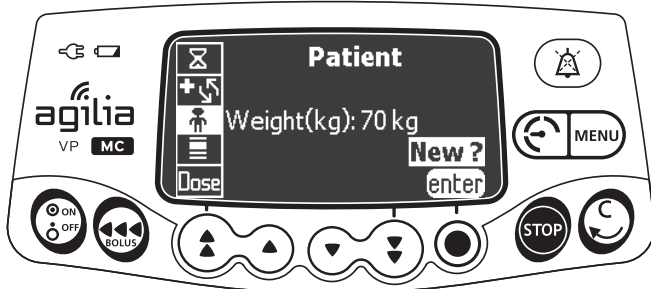
Weight   **Body Surface Area**

You can change the patient's weight or body surface area as follows:

1. Press MENU.

2. Press the arrow keys to select ![patient symbol] .

3. Press **enter**.

4. Press **OK** to change the patient's weight or body surface area.

5. Press **OK** to confirm the infusion settings.

8.11 Day/Night Mode

| Symbol	☾
Procedure	Switching between day mode and night mode

This function switches between day mode ☀ and night mode ☾.

The default night mode settings are as follows:

- The key-press beep is silenced.

- Infusion indicators and screen brightness are dimmed.

Depending on your pump configuration, the switch between day and night mode may be managed either through this menu (manual mode), or according to pre-defined settings (auto mode). For more information, refer to the technical manual.
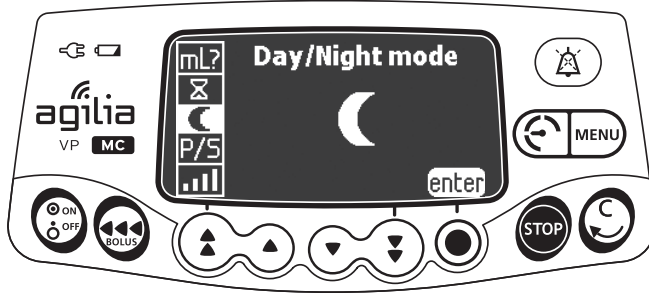
Switching from Day Mode to Night Mode
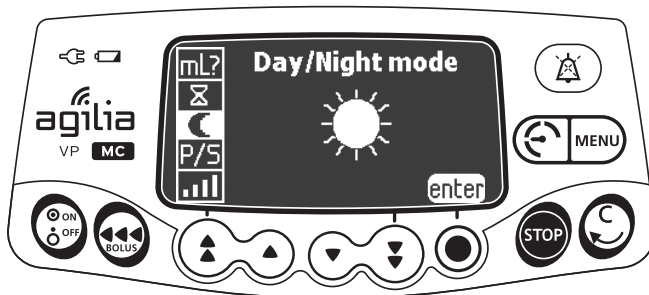
You can switch to night mode as follows:

1. Press MENU.

2. Press the arrow keys to select ☾.

3. Press **enter**.
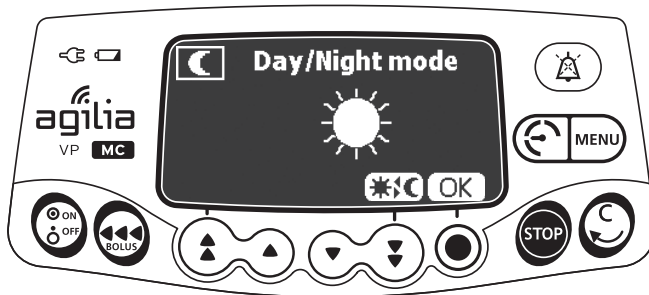

4. Press ☀☾ to activate night mode.
The screen displays ☾.

5. Press **OK** to confirm.

Switching from Night Mode to Day Mode
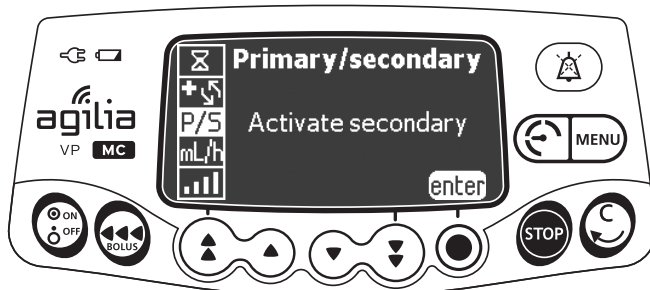

You can switch to day mode as follows:

1. Press MENU.

2. Press the arrow keys to select ☾.

3. Press **enter**.

4. Press ☀☽☾ to activate day mode.
   The screen displays ☀.

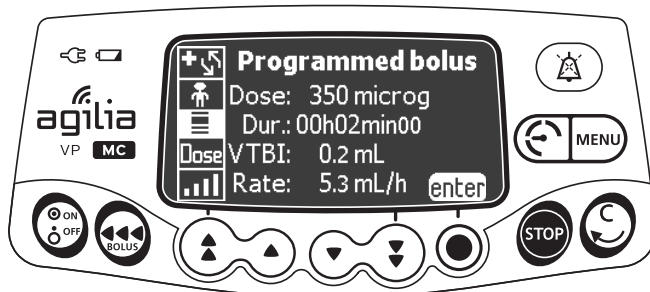5. Press **OK** to confirm.

8.12 Primary / Secondary

Symbol	P/S
Procedure	Programming a secondary infusion

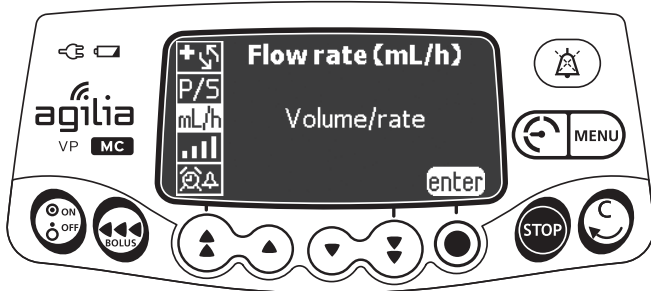To program a secondary infusion, see section 7.8.3, page 60.
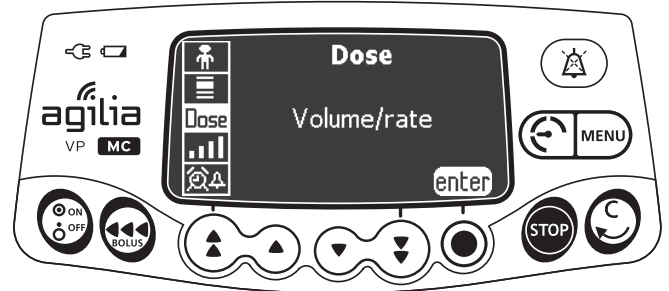
8.13 Programmed Bolus

Symbol	≡
Procedure	Programming a bolus

To program a bolus, see section 7.8.4.2, page 67.

8.14 Flow Rate (mL/h) / Dose

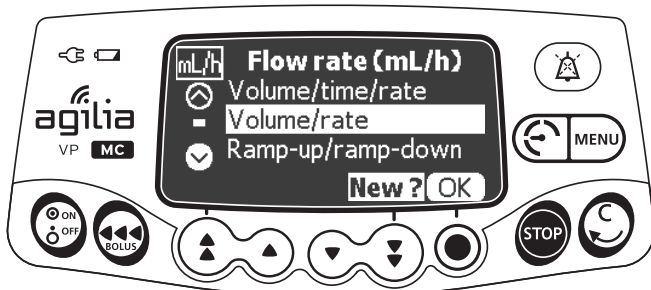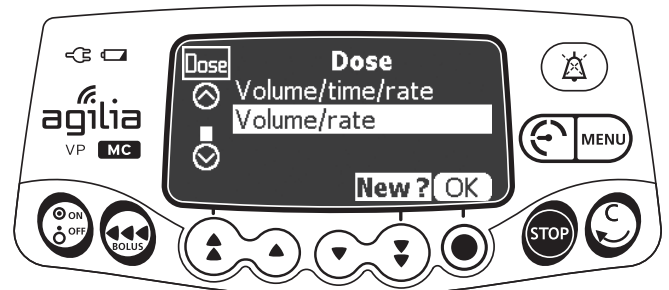| Symbols	mL/h
	Dose
Procedure	Changing the infusion mode

Flow rate   **Dose**

You can change the infusion mode as follows:

1. Press MENU.

2. Press the arrow keys to select mL/h or Dose .

3. Press **enter**.
The available infusion modes are displayed.


Flow rate   **Dose**

4. Press the arrow keys to select a new infusion mode.

5. Press **OK** to apply the selected infusion mode to the current infusion settings, or **New ?** to apply the selected infusion mode and clear the infusion settings.

8.15 Ramp-up / Ramp-down

Symbol	⌒
Procedure	Modifying a ramp-up /ramp-down infusion
Prerequisite	Ramp-up/ramp-down infusion mode must be selected, see Section 8.14, page 99.
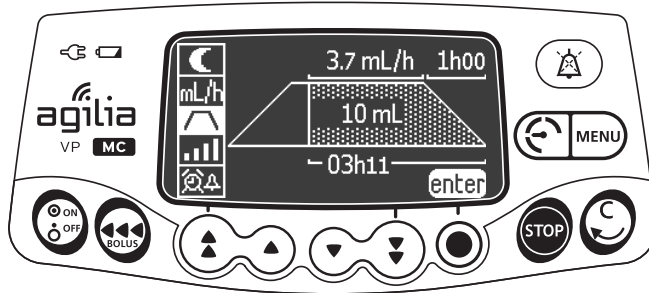
To program an infusion in the ramp-up /ramp-down infusion mode, see section 7.10.6, page 73.
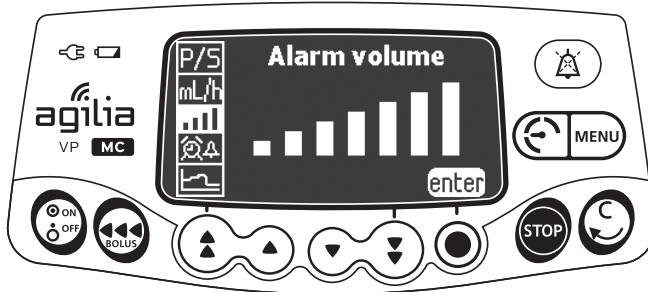
8.16 Sequential Infusion

Symbol	seq
Procedure	Modifying a sequential infusion
Prerequisite	Sequential infusion mode must be selected, see Section 8.14, page 99.
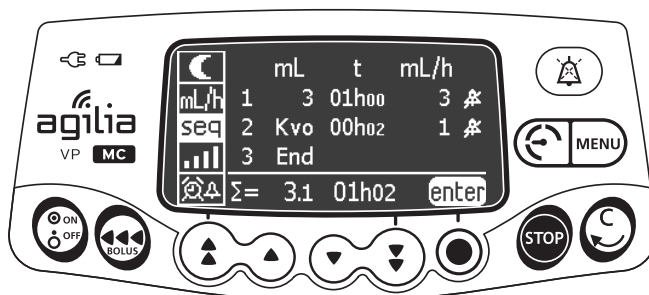
To program an infusion in the sequential infusion mode, see section 7.10.7, page 75.

8.17 Alarm Volume

Symbol	.ıll
Procedure	Adjusting the alarm volume

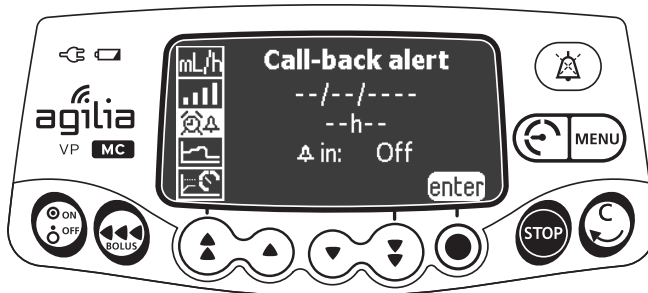You can adjust the alarm volume as follows:

1. Press MENU.

2. Press the arrow keys to select .ıll.

3. Press **enter**.

4. Press the arrow keys to select the alarm volume.
   The pump emits an alarm at the selected volume level.

5. Press **OK**.

8.18 Call-back Alert

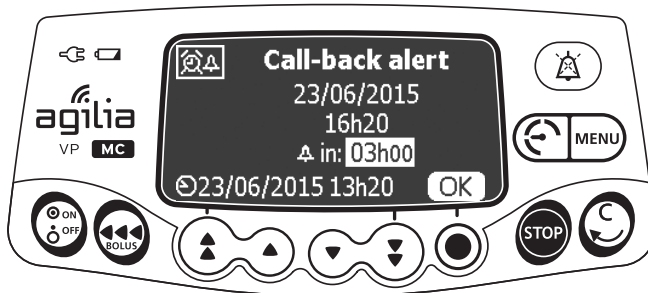| Symbol	🕰🔔
Procedure	Activating / Deactivating the call-back alert

The call-back alert notifies the user when the set time interval has elapsed.

Activating the Call-back Alert

You can activate the call-back alert as follows:

1. Press MENU.

2. Press the arrow keys to select 🕰🔔.
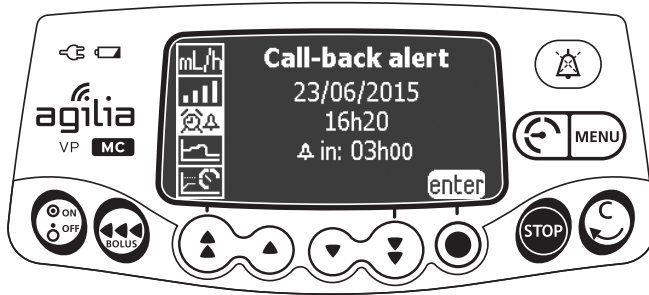
3. Press **enter**.

4. Press the arrow keys to set the interval in hours and minutes (__h__) before the alert.
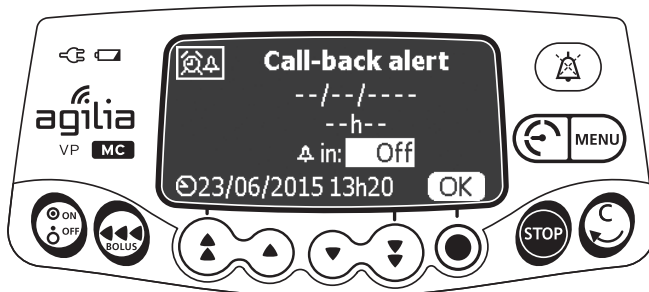
5. Press **OK**.

Information

- *The activation time is calculated according to the device time, which is indicated at the bottom of the screen.*

- *If the device is powered off during the call-back period, a warning message is displayed when the device is powered on.*

Deactivating the Call-back Alert

You can deactivate the call-back alert as follows:

1. Press MENU.

2. Press the arrow keys to select 🕙🔔.
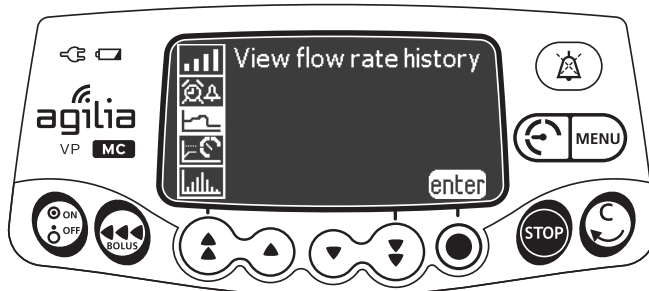
3. Press **enter**.

4. To deactivate the programmed call-back alert, press the down arrow keys to set the duration period to "Off".

5. Press **OK**.

## 8.19 View Flow Rate History

Symbol	⌐L_
Procedure	Viewing flow rate history

This function allows the user to check the current infusion's history information in order to verify the dose administered.

You can view flow rate history as follows:

1. Press MENU.

2. Press the arrow keys to select ⌐L_.

3. Press **enter**.
The following information is displayed:
- An event marker (cursor)
- The event details (time and flow rate)
- The measured flow rate (solid line)
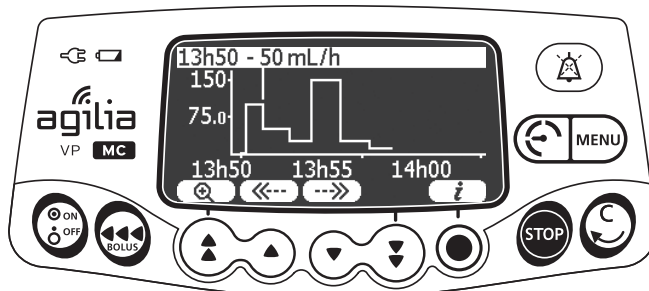
4. Press the ⟨⟨-- and --⟩⟩ buttons to browse the events.

5. Press 𝒊 to view information about the selected event.
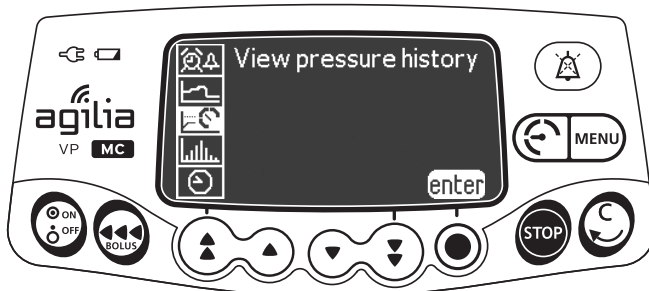
Information

- *The history is not refreshed while the history screen is displayed. To refresh the history data, exit and select the history again.*
- *Flow rate history is not stored after powering off.*

8.20 View Pressure History

Symbol	⊢⌒
Procedure	Viewing pressure history

This function allows the user to check the current infusion's history information in order to verify changes in pressure.

You can view pressure history as follows:

1. Press MENU.

2. Press the arrow keys to select ⊢⌒.

3. Press **enter**.
   The following information is displayed:
   - An event marker (cursor)
   - The event details (time and pressure limit)
   - The pressure limit (dotted line)
   - The measured pressure (solid line)
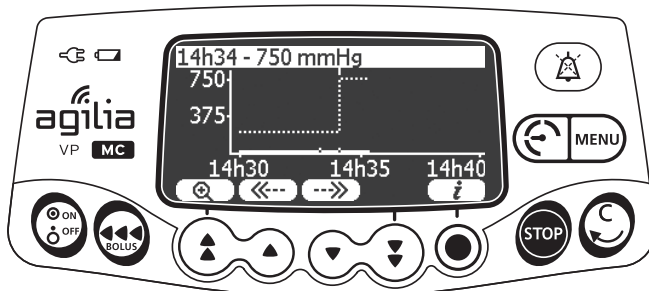
4. Press the ⟪-- and --⟫ buttons to browse the events.

5. Press i to view information about the selected event.

Information

- *The history is not refreshed while the history screen is displayed. To refresh the history data, exit and select the history again.*
- *Pressure history is not stored after powering off.*

8.21 View Event Log

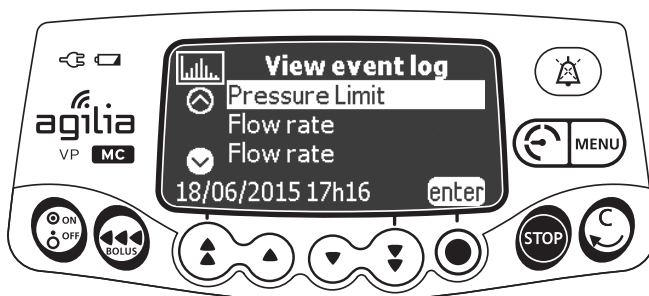| Symbol	⎍⎍⎍
Procedure	Viewing the event log

The event log displays details of the last events that occurred on the pump. Events are stored in the log even after the pump is powered off and on again. The log can store up to 1500 events. Older events are overwritten.

Note: *When the AC Power is disconnected for a period of time, or when the batteries are not operating, the log file is kept in a non-volatile memory for approximately 10 years.*
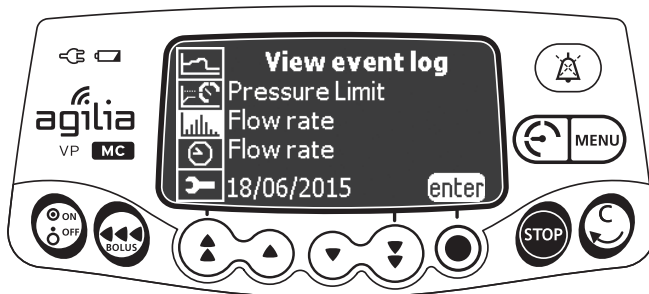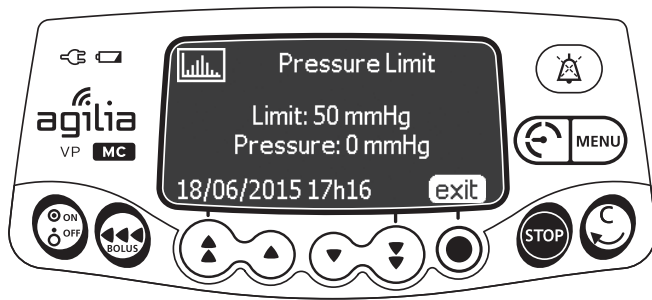

You can view the event log as follows:

1. Press MENU.

2. Press the arrow keys to select ⎍⎍⎍ .
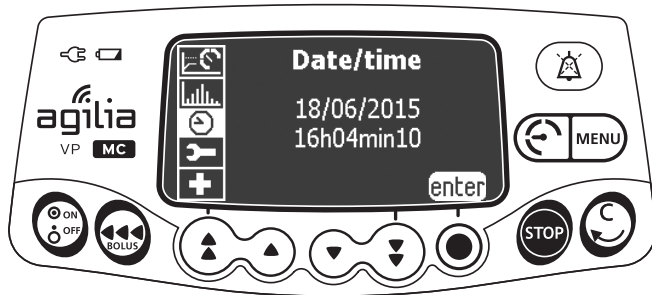
3. Press **enter**.

4. Press the arrow keys to select the desired event.

5. Press **enter**.
The details of the event are displayed.

6. Press **exit** to return to the previous screen.

8.22 Date / Time

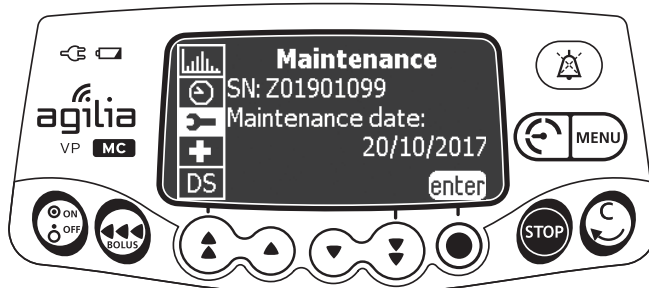| Symbol	⬡
Procedure	Setting up the date and time

You can set the date and time as follows:

1. Press MENU.

2. Press the arrow keys to select ⬡ .

3. Press **enter**.

4. Press the arrow keys to set the following:

- Day
- Month
- Year
- Hours
- Minutes

5. Press **OK** to confirm.

8.23 Maintenance

Symbol	![wrench symbol]
Procedure	Displaying maintenance information

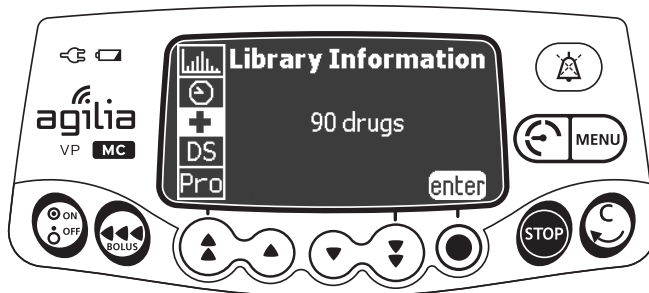You can display maintenance information as follows:

1. Press MENU.

2. Press the arrow keys to select ![wrench symbol] .

3. Press **enter**.

4. Press the arrow keys to scroll through the maintenance information.

The following information is displayed:

- *Pump serial number*
- *Next maintenance date (dd/mm/yyyy)*
- *Pump model*
- *Software version*
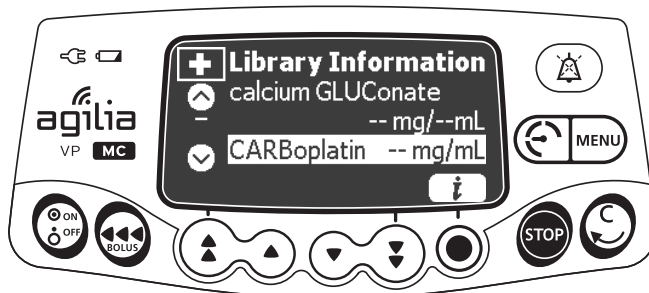- *Total operating time since last maintenance*

8.24 Library Information

Symbol	✚
Procedure	Displaying drug library information

You can display drug library information as follows:

1. Press MENU.

2. Press the arrow keys to select ✚ .
The number of drugs contained in the drug library is displayed.

3. Press **enter**.
*All the drugs contained in the drug library are displayed.*

4. Press the arrow keys to select a drug.

5. Press 𝑖 to view information on the selected drug.

8.25 Clinical Information

Symbol	✚ 🔔
Procedure	Viewing remaining time before clinical information display

If configured for the selected drug with Agilia Vigilant Drug'Lib, a protocol message will be displayed on the pump screen after a pre-defined period of time.
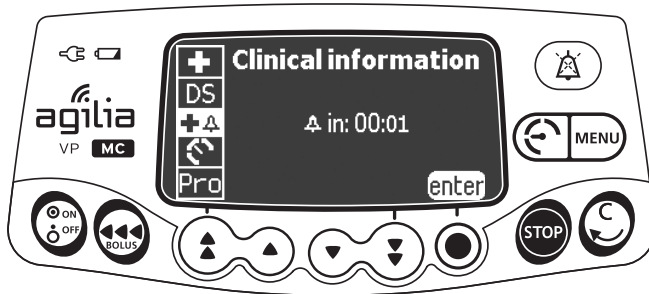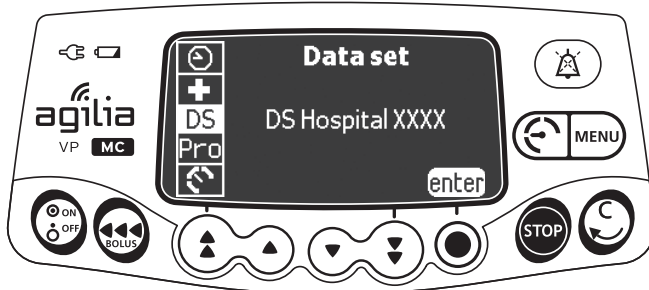

You can view the remaining time before clinical information display as follows:

1. Press MENU.

2. Press the arrow keys to select ✚🔔.
   The remaining time before clinical information is displayed.

3. Press **enter**.
   The clinical information message is displayed.

8.26 Data Set

Symbol	DS
Procedure	Displaying active data set information

You can display active data set information as follows:

1. Press MENU.

2. Press the arrow keys to select DS .

3. Press **enter**.
The active data set information is displayed.