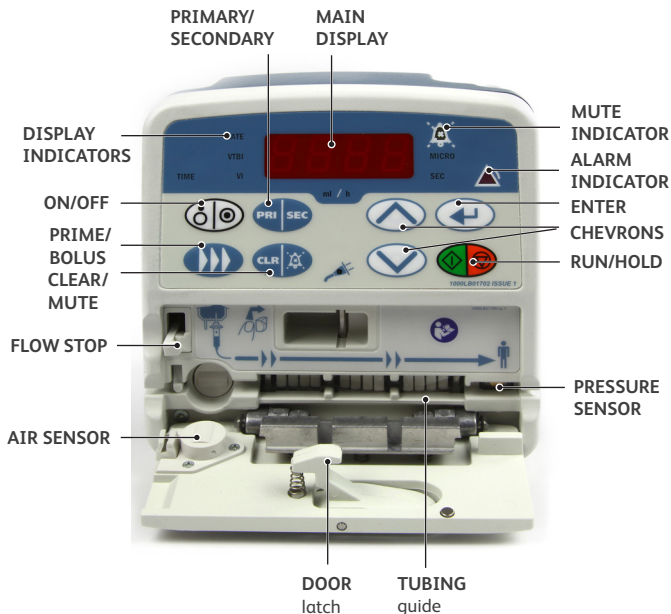## Alaris™ GW 800 Volumetric Pump
## Models: 800TIG2GBD1, 800TIG2RWN1

Quick Reference Guide – en

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- This guide is not intended to be comprehensive instructions for the set-up and operation of the Alaris™ GW 800 Volumetric Pump.

- For complete pump information, refer to the Alaris GW 800 Volumetric Pump Directions For Use.

- All persons operating the pump should consult the Directions For Use.

**Controls**



PRIMARY/
SECONDARY

MAIN
DISPLAY

DISPLAY
INDICATORS

MUTE
INDICATOR

ALARM
INDICATOR

ON/OFF

ENTER

PRIME/
BOLUS

CHEVRONS

CLEAR/
MUTE

RUN/HOLD

FLOW STOP

PRESSURE
SENSOR

AIR SENSOR

DOOR
latch

TUBING
guide

| Symbol | Description |
|---|---|
| | **ON/OFF** button - Press once to switch the Pump on. Press and hold down for approximately three seconds to switch the Pump off. |
| | **RUN/HOLD** button - Press to start the infusion or to put the infusion on hold. |
| | **CLEAR/MUTE** button - Press to silence alarm or advisories for one minute. The audio from the alarm or advisories will resound after this time. Resets numeric values to zero.<br>    **Note:**    To re-enable the alarm audio press any other button or key to unmute. |
| | **PRIME/BOLUS** button - Primes the Infusion set. Administers bolus during the infusion. |
| | **PRIMARY/SECONDARY** button - Switches the Pump between Primary and Secondary infusion modes, if enabled. |
| | **ENTER** button - Scrolls between rate, time, VTBI and total volume infused (VI). Enters values for selected infusion / configuration parameters. Confirms the rate during an infusion titration. |
| | **CHEVRON** keys - Increases or decreases the infusion rate, TIME limit and VTBI. Press and hold to increase the selection speed. Used to adjust user selectable options |

| Symbol | Description |
|---|---|
|  | **AC POWER** indicator - When illuminated the Pump is connected to an AC power supply. |
|  | **ALARM** Indicator - When flashing indicates the Pump is in an alarm condition. |
|  | **MUTE** Indicator - When flashing indicates the Pump audio alarm is muted. |
| **RATE** | When illuminated the Pump is displaying the infusion rate in millilitres per hour (ml/h). |
| **VTBI** | When illuminated the Pump is displaying the Volume To Be Infused (VTBI) in millilitres (ml). |
| **VI** | When illuminated the Pump is displaying the Volume Infused (VI) in millilitres (ml). |
| **TIME** | When illuminated the Pump is displaying the infusion time in hours : mins. |
| **MICRO** | When illuminated the Pump is operating in the Micro Mode. When not illuminated the Pump is in the Standard Mode. |
| **SEC** | When illuminated the Pump is operating in the Secondary Mode. When not illuminated the Pump is in the Primary Mode. |
| **ml/h** | (Millilitres / hour) When **ml** is illuminated the Pump displays the rate, VTBI or VI. When the **h** is illuminated the Pump displays the rate or infusion time. |

| | |
|---|---|
|  **Fill line** | 1. Prepare the fluid container. Squeeze drip chamber until fluid reaches fill line (if applicable). Close in-line clamp. |
|  | 2. Press door latch to open door. |
|  | 3. Release flow stop mechanism by pushing the lever arm up and to the right. |
|  | 4. Insert the infusion set from left to right into the pumping channel. Avoid any slack and avoid stretching or pulling the tubing. |
| | 5. Engage the flow stop mechanism by pushing the lever left and down. |
|  | 6. Close door. Press recesses firmly, as shown, to ensure latch *clicks* into place. |

| | |
|---|---|
|  | 1. Switch the pump on. |
|  | 2. Open the in-line clamp. Ensure no drops are falling in drip chamber. Prime infusion set by pressing ⏚. While **FILL** is displayed, press ⏚ again and hold until all visible air is cleared from the line. |
|  | 3. Connect the infusion set to the patient access device. Enter rate using ⋀ / ⋁. Press ⏎ once to confirm rate and scroll to VTBI. |
|  | 4. Enter VTBI using ⋀ / ⋁, or, if using a flow sensor, VTBI can be switched off by scrolling until **OFF** is displayed. Press ⏎ once to confirm VTBI and scroll to VI. |
|  | 5. If necessary, press ⏚ to clear VI. |
|  | 6. Press ◎ to start the infusion. |

# User Selectable Options

The pump must be on HOLD. Press ⊚.

## Check the Battery Status

**Note:** Only available when Pump is operating on battery power.
Press and hold ⊕ for 2 seconds until Battery Status is displayed:

$bAt\bar{\ }$    • Battery has greater than 30 minutes run time.

$bAt\_$    • Battery is low and has approximately 30 minutes or less run time.

Press ⊕ button to go to next option.

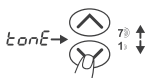## Selecting the Occlusion Pressure Level (if Enabled)

**PrES** option is displayed:

$PrES$  *HI* *nor* *Lo*

- Change occlusion pressure level to high (**HI**), normal (**nor**) or low (**lo**) using ⊘ / ⊝.
- Press ⊕ to confirm and go to next option.

## Selecting the Alarm Volume (if Enabled)

**tonE** option is displayed:

$tonE$  *7* *1*

- Change alarm volume between 1 and 7* using ⊘ / ⊝.
- Press ⊕ to confirm and go to next option.

  * 1=Low, 7=High

## Selecting VTBI / Time Infusion (if Enabled)

**CLoc** option is displayed:

$CLoc$  *On* *OFF*
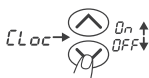
- Select **On** or **OFF** using ⊘ / ⊝ keys to turn the VTBI/time infusion** setting on or off.
- Press ⊕ to confirm and go to next option.

  ** Ensure **TIME** indicator is lit, if set to **On**.

## Selecting Micro Mode (if Enabled)

**0.0** option is displayed:

$0.0$  *On* *OFF*

- Select **On** or **OFF** using ⊘ / ⊝ keys to turn micro mode*** on or off.
- Press ⊕ to confirm.

  *** Ensure **MICRO** indicator is lit, if set to **On**.

## Panel Lock

Panel lock prevents certain key operation:



## Rate Titration

To change the rate while infusing (if titration enabled):
1.    Press ⊘ / ⊘ to adjust rate.
2.    Press ⊕ to confirm change of rate.

## Administer BOLUS: Press ⊛

To administer a bolus while infusing:
- Press ⊛. While **boL** is displayed, press ⊛ again and hold to administer the desired bolus volume.

An alarm indicates that the infusion has stopped.
Check the display for an alarm symbol.
Press ⊕ to silence the sound. (Exceptions are *Err* and *bAt* alarms, which cannot be silenced)
When the cause has been rectified, press ⊙ key to resume infusion.

⚠ **All alarms will stop the infusion except for *Lo bAt* and *Attn*, where the infusion status will remain the same state as prior to the alarm.**

| Alarm / Condition | Action |
|---|---|
| *Air OCCL*<br>Air-in-line<br>Upstream occlusion | • Disconnect the infusion set from the IV access device and use the prime function.<br>• Remove occlusion/air and restart the infusion. |
| *bAt*<br>Internal battery depleted. | • Connect pump to AC power.<br>• Ensure pump is switched on to charge internal battery. |
| *door*<br>Door open | • Close door and restart infusion. |
| *Err*<br>System fault | • Switch pump off.<br>• Remove pump from service and have the pump inspected by a qualified service engineer. |
| *FLo Err*<br>Flow error<br>Flow sensor attached to secondary infusion set. | • Close in-line clamp.<br>• Ensure tubing is loaded correctly.<br>• Ensure ample fluid is in container.<br>• Clear blockage. Close pump door.<br>• Restart infusion.<br>• Ensure flow sensor is attached to primary infusion set. |
| *FLo SEnS*<br>Flow sensor connection error. | • Connect flow sensor to pump and restart infusion. Ensure fluid in drip chamber is not above fill line. |
| *HI PrES*<br>Downstream occlusion | • Remove pressure in the infusion set to prevent a post occlusion bolus to the patient.<br>• Remove the cause of the blockage.<br>• Restart the infusion. |
| *bAd SEt*<br>Incorrect infusion set, infusion set incorrectly loaded or infusion set worn. | • Use infusion set as specified in DFU. Ensure infusion set is loaded correctly into pump. |

| Alarm / Condition | Action |
|---|---|
| *End*<br>Finished pre-set volume to be infused with KVO switched off. | • Set new VTBI. |
| *Lo bAt*<br>Low battery.<br>(At least 30 mins before *bAt* alarm) | • Connect pump to AC power source. |
| *Attn*<br>The pump has been left unattended for two minutes and infusion has not started. | • Attend to pump. |

Advisories alert the user and are indicated by an audible alarm, a message on the display or both.

Check the display for advisory message.

Press ⊕ to silence the sound.

| Advisory / Condition | Action |
|---|---|
| *boL*<br>Bolus is being administered. | • Release ⓜ key to continue the infusion once prescribed bolus has been administered. |
| *End*<br>VTBI limit reached. | • Pump will infuse at the KVO rate, until ⊛ is pressed. |
| *FILL*<br>The pump is priming the infusion set. | • Ensure all air has been primed out of the infusion set, before starting the infusion. |
| *HoLd*<br>The pump is on hold. | • Press ⊛ to restart / continue infusion or press ⊕ to return to setup. |
| *tESt*<br>Automatic infusion set check. | • Allow test to complete before operating the pump further. |

**Advisories**
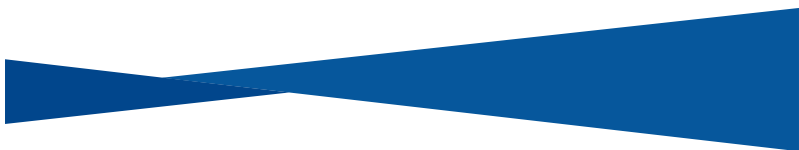
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