The Monidrop® infusion monitor is intended for measuring IV fluid administration in infusion therapy. The device displays the infusion rate, total volume administered and treatment duration, and makes it possible to set alarm limits.

**Monidrop® DOES NOT ADJUST the infusion rate. ALWAYS use a roller clamp to adjust the infusion rate.**

### 1. Starting and using Monidrop® without alarm limits

a) Start the device by pressing the power button.

b) Attach Monidrop® to the drip chamber and select “START” on the screen. Select the desired infusion rate with the roller clamp. Monidrop displays the infusion rate (ml/h) set and the volume of fluid (ml) administered during therapy. The device gives an alarm if the drip flow is blocked.

For instructions on attaching the drip chamber and adjusting the infusion rate, see sections 2 and 3.

Note! If you want the device to give more specific alarms during therapy, first set the alarm limits. For instructions on setting the alarm limits, see section 4.

### 2. Attaching Monidrop® to the drip chamber

a. Open the device retaining clip by pressing the locking lever and pulling the clip to release.

b. Position the drip chamber appropriately. Note the correct positioning of different types of drip chambers.

c. Turn the retaining clip to its original position until it clicks.

### 3. Adjusting the infusion rate and monitoring the therapy

a. Adjust the infusion rate by means of the roller clamp on the infusion set in accordance with the treatment you have set and to the appropriate precision. A green LED light indicates that IV administration is underway within the limits allowed by the device or within the set alarm limits.

b. Monidrop® gives an alarm if the IV flow is completely blocked, the flow rate is too high, the infusion deviates from the alarm limits, or the battery is low.

The device indicates the alarm by means of a yellow light, or a yellow light and sound, depending on what causes the alarm. The alarm is cleared automatically once the cause has been fixed. You can also mute the alarm completely for five minutes. Follow the instructions on the screen to fix the cause of the alarm.

### 4. Usage with alarm limits

The Monidrop® infusion monitor has functions for setting alarm limits for liquid volume, treatment duration and infusion rate. When two of the aforementioned values are set, the device automatically calculates the third value.

1. Select “Alarm limits” on the settings screen.
2. Select “Liquid volume”, “Treatment duration” or “Flow rate”.
3. Set the Liquid volume (ml), time (hh:mm) or rate (ml/h), which you wish to use during treatment. You can set a maximum of two alarm limit values at a time. The device calculates the third value automatically, and this value cannot be changed until at least one of the alarm limits has been cleared.
4. Select “SET”.
5. If you do not wish to set additional alarms, press “OK”.
6. Attach Monidrop to the drip chamber and adjust the infusion rate with the roller clamp. (For instructions, see sections 2 and 3.) The infusion rate you set is displayed in the main screen of the device. You can toggle between the main screen and the settings screen by pressing the symbols at the bottom of the touchscreen.

During therapy, infusion rate and total volume can be monitored on the main screen of the device. The main screen functions are described below.

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment duration in hours and minutes</td>
<td>The alarm limit set for treatment duration. The device gives an alarm when the time has elapsed.</td>
</tr>
<tr>
<td>Current flow</td>
<td>Current infusion rate, adjusted with the roller clamp.</td>
</tr>
<tr>
<td>Total volume</td>
<td>The targeted liquid volume when the alarm limit has been set. The device gives an alarm when the set fluid volume has been administered.</td>
</tr>
<tr>
<td>Liquid volume administered during treatment</td>
<td>The set target rate for the flow rate, adjusted as precisely as possible with the roller clamp.</td>
</tr>
</tbody>
</table>

For additional information on the use and features of the device, please see the Monidrop® user manual.

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