

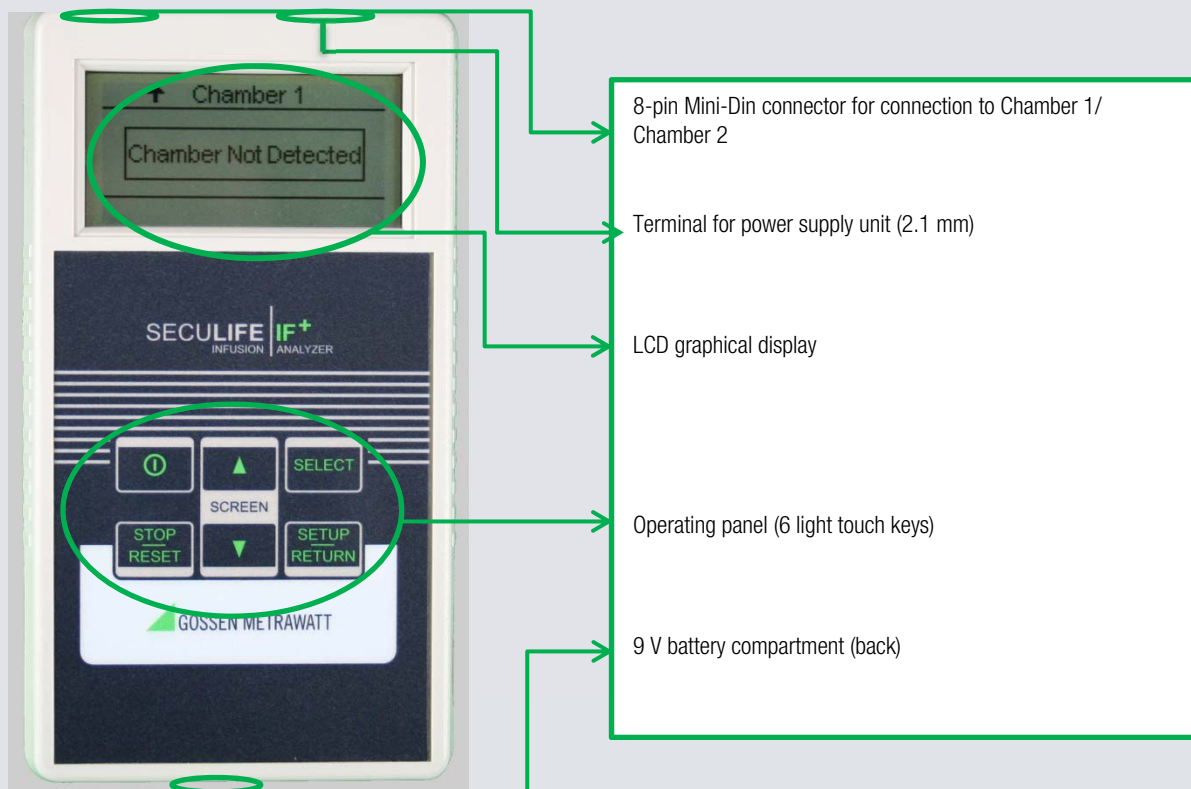
QUICK SETUP GUIDE

SECULIFE IF₊

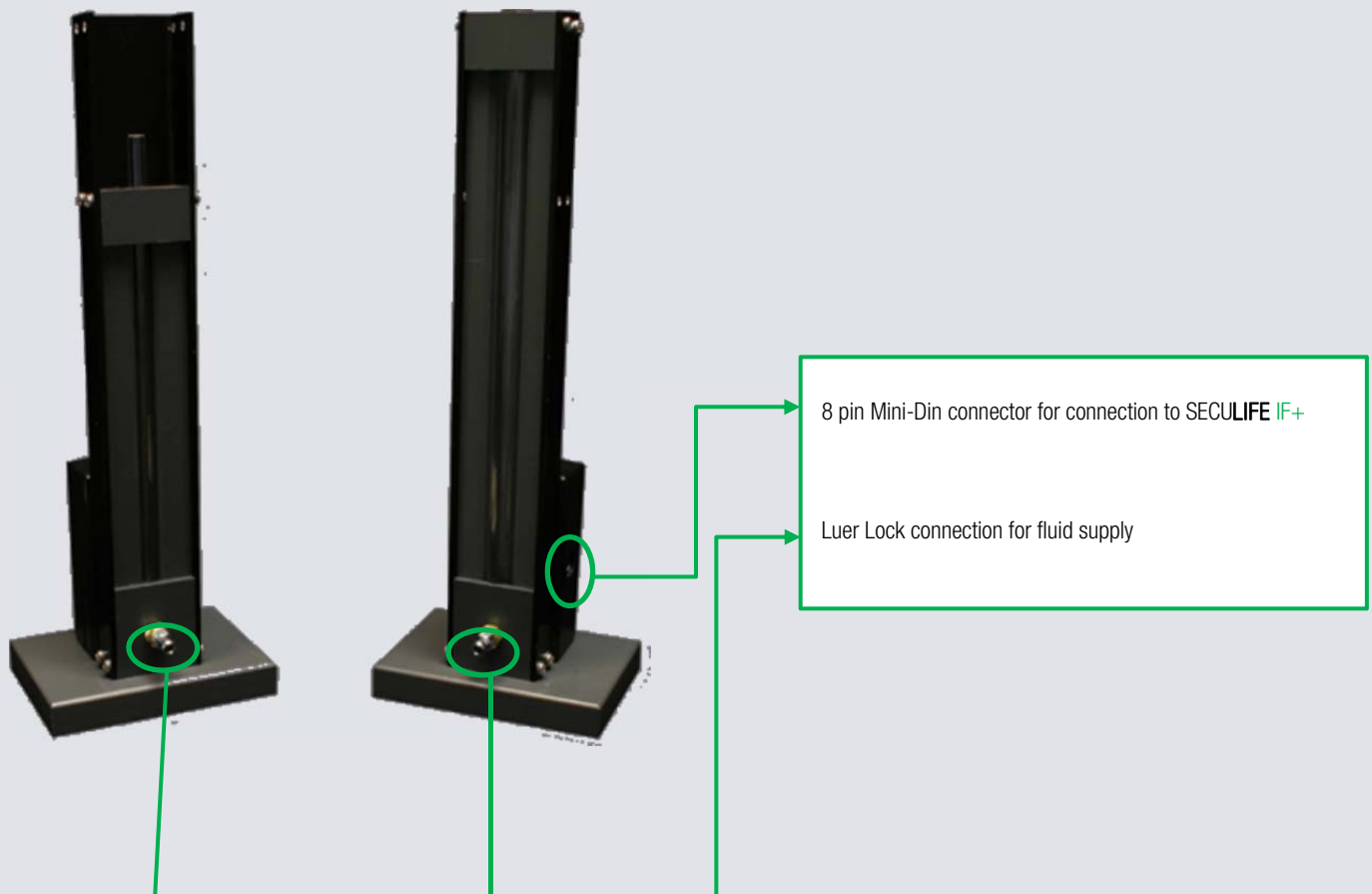


The SECULIFE IF+ is a microprocessor based high precision Infusion Pump Analyzer (IPA). It tests the flow of intravenous (I. V.) infusion pumps. The flow rates are displayed in milliliters per hour. Simultaneously the unit can test two volumetric pumps for output flow rate using two volumetric chambers.

1. SECULIFE IF+



2. Chambers (3.5 mL or 35 mL)



3. 8-pin Mini-Din cable



4. Luer Lock tube



Connection of Infusion Pump Testers

The device has two connector sockets at the back for connecting **Chamber 1** / **Chamber 2**. They are connected by an 8-pin Mini-Din plug. Additionally, there is a **Power terminal** at the back.



1.) Connection of SECULIFE IF+ and Chamber

SECULIFE IF+ is connected with the chamber (3.5 ml or 35 ml) via an 8-pin Mini-DIN cable. The connection is established by plugging the grey cable into the Chamber 1/ Chamber 2 port at the SECULIFE IF+ and into the terminal located at the right side of the chamber. Following the device is switched on at the operating panel.



2.) Connection between infusion pump and chamber

In the next step the infusion pump is connected to the chamber via Luer Lock Tube



3.) Functional test

The first step of the functional test is setting the flow rate (e.g. 200 ml/h) and pressing the start button to start the pump. The fluid located in the Luer Lock Tube moves into the chamber. At the same time a timer is set by the SECULIFE IF+. Afterwards the result is shown on the display of the SECULIFE IF+. This is shown in the right picture, highlighted in green.



4.) Reading the result

As a final step, the flow rate is checked by comparing the flow rate set at the infusion pump (here: 200 ml/h) with the value displayed at the SECULIFE IF+ (here: 198.6 ml/h).

The flow accuracy of the SECULIFE IF+ equals $\pm 1\%$.



5.) Transport protection

The switch lock prevents an accidental switch on e.g. during transport.



Level Indicator

A special graphic has been incorporated into the display to identify the level of water in each chamber. The graphic is located at the lower right corner of the display for each channel.



This graphic indicates that water is not present at the lower or upper sensor.



This graphic indicates that fluid is present at the lower sensor.



These graphics are displayed sequentially to indicate that a test is running.



This graphic indicates that water is detected at the top and bottom sensor.



This graphic indicates that water is present at the top sensor, but not the bottom. This is an invalid condition, triggered by either a bubble at the bottom sensor or a faulty sensor.

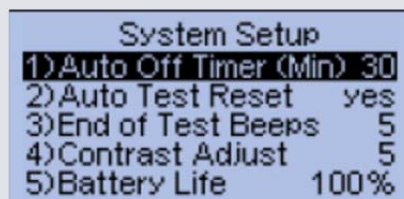
Setup

The Setup Mode allows the user to adjust the configuration of the meter. The setup screen can be

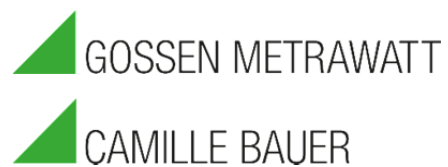
entered using the  key. The parameters can be changed by using  key to highlight the

line and   to toggle between the available options.

The Setup screen can be exited using the  key.



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