# OrbyTrack

## IV Drip Flow Measurement Device

# User Guide



IV Drip Chamber

Detector Center

Droplet Type

Battery Life

USB Micro Charging Port

M20 m60 GTT 100%

5.3

mL/min

Up

Select

Down

Droplet Icon
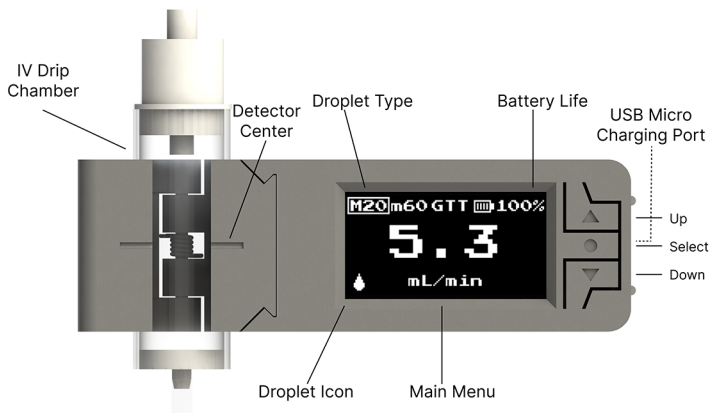
Main Menu

OrbyTrack user interface has three menus (**MAIN**, **SETTINGS** and **INFO**). Based on each menu the three buttons (**UP**, **SELECT**, **DOWN**) have different actions.

## MAIN MENU

As soon as the device is powered on, this is the starting screen. In this screen the device is automatically measuring IV Drip flow based on the selected "Droplet Type". All you have to do is place the device on the IV Drip using the clip and make sure the "Detector Center" is placed on the center of the IV Drip chamber. When a droplet is detected the "Droplet Icon" will flash momentarily. You can select between three different kind of measurements:

- **M20:** Macro droplet, 20 droplets per mL, measuring mL/min.
- **m60:** Micro droplet, 60 droplets per mL, measuring mL/min.
- **GTT:** Measuring droplets/min.

In this screen you can also watch for the "Battery Life" percentage and charging status.

Button actions:
- **UP:** Change measuring type.
- **SELECT:** Go to SETTINGS. Press and hold for power down.
- **DOWN:** Go to INFO.

## SETTINGS MENU

In this screen you can change the device settings.

Button actions:
- **UP:** Move index up / increase value.
- **SELECT:** Select / Deselect settings item. Press and hold to exit.
- **DOWN:** Move index down / decrease value.

Settings description:
- **TIME_OFF:** Minutes of inactivity until auto power down.
- **BATT_V_OFF:** Minimum battery voltage until auto power down.
- **SCREEN_CONT:** Screen contrast (0 - 255), impacts battery life.
- **DROP_THLD:** Droplet detection IR sensor threshold.
- **DROP_INFL:** Droplet detection influence filter value.
- **DROP_SPAN_MIN:** Minimum droplet IR pulse time-width.
- **DROP_SPAN_MAX:** Maximum droplet detected IR pulse time-width.
- **DROP_GAP_MIN:** Minimum time gap between detected IR pulses.
- **<RESET_SETTINGS>:** Reset settings to defaults.

## INFO MENU

This menu displays some basic device information.

Button actions:
- **UP/SELECT/DOWN:** Exit to **MAIN** menu.