

@ Snail

## Micro Flow Air Sampler

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Micro Flow Air Sampler



8, 12, 24 or 48 hours continuous sampling for 1, 5 or 10 liters Bluetooth Programmable

**WEST**  
Systems

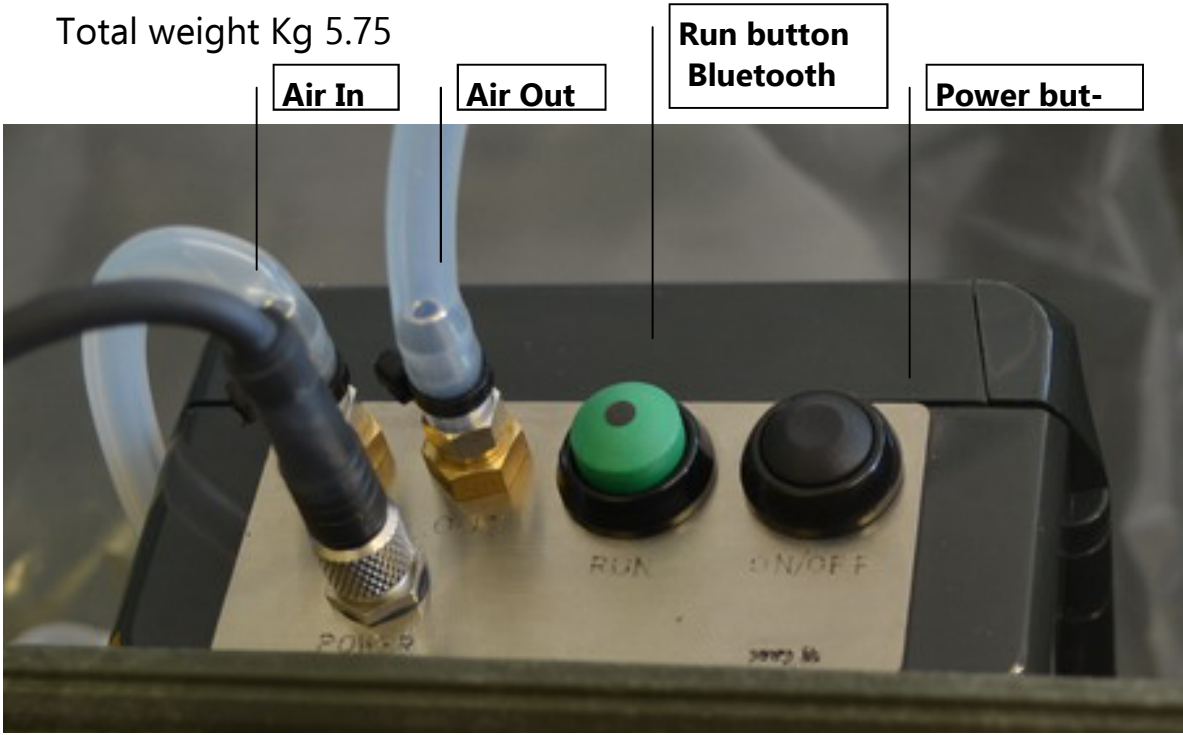
Snail Micro Flow Air Sampler Specifications

- Micro flow electronic controlled pump for air continuous sampling

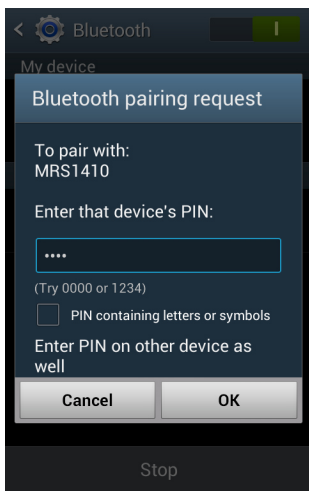
1 liter				
Sampling time (hr)	8	12		
Flow rate (ccm)	1.7	1.1		
5 liter				
Sampling time (hr)	8	12	24	48
Flow rate (ccm)	8.3	5.6	2.8	1.4
10 liter				
Sampling time (hr)	24	48		
Flow rate (ccm)	5.6	2.8		

Tedlar bags or equivalent

- Bluetooth connection
- Internal clock for synchronous sampling between multiple Snails
- Powered by 6 AA batteries
- Black, green or orange Polypropylene waterproof suitcase
- Dimensions: Length 520 mm Width 435 mm Depth 230 mm
- Total weight Kg 5.75



Snail Microsampler Android App



Bluetooth pairing request

To pair with:  
MRST410

Enter that device's PIN:  
.....

(Try 0000 or 1234)

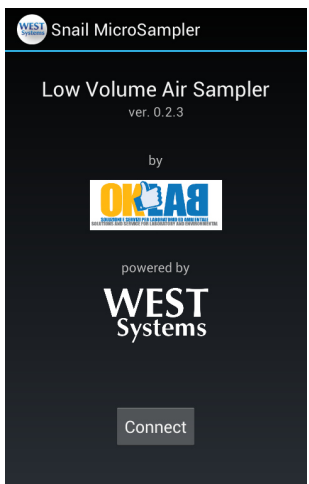
☐ PIN containing letters or symbols

Enter PIN on other device as well

Cancel OK

Stop

⇒ Download the "Snail Microsampler" app on Google Play Store



Snail MicroSampler

Low Volume Air Sampler  
ver. 0.2.3

by  
OKLAB

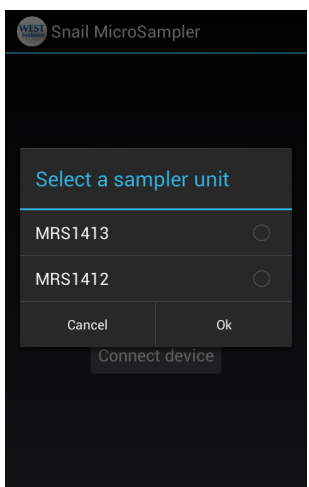
powered by  
WEST Systems

Connect

⇒ Turn on the Snail by pressing the power button

⇒ The Bluetooth LED will start to light up intermittently: is ready to accept incoming connections

⇒ Pair your mobile device with the Snail, the PIN is 1234. (Only the first time you connect with)



Snail MicroSampler

Select a sampler unit

MRST413 ☐

MRST412 ☐

Cancel Ok

Connect device

⇒ Run the **Snail Microsampler** App and select a specific Snail sampler unit

⇒ Once connected, the application set the Snail clock with the mobile device time

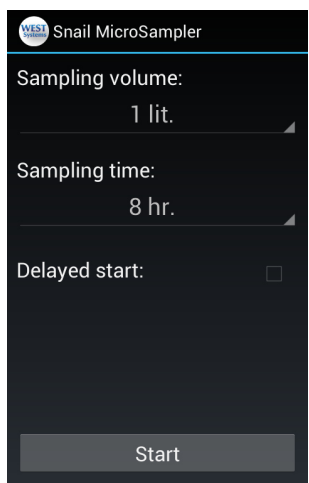
⇒ The Snail status can be: Idle, Waiting, Sampling

⇒ Select the Sampling volume, the Sampling time and the Delayed start if necessary.

⇒ The **Snail Micro sampler** App show real time values of Sampled volume, Flow rate, Remaining time and Elapsed time .

⇒ Press "Stop", turn OFF the Snail and take the sampled bag.

⇒ NOTE: At the end of sampling time the Snail will keep the pump at a minimum speed to prevent bag leaks.



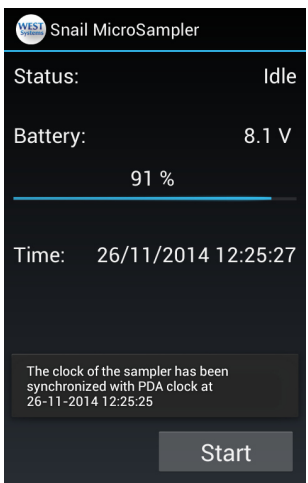
Snail MicroSampler

Sampling volume:  
1 lit.

Sampling time:  
8 hr.

Delayed start: ☐

Start



Snail MicroSampler

Status: Idle

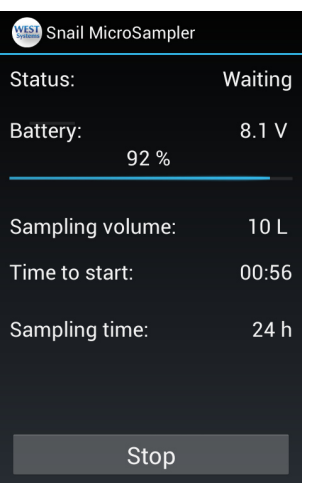
Battery: 8.1 V

91 %

Time: 26/11/2014 12:25:27

The clock of the sampler has been synchronized with PDA clock at 26-11-2014 12:25:25

Start



Snail MicroSampler

Status: Waiting

Battery: 8.1 V


92 %

Sampling volume: 10 L

Time to start: 00:56

Sampling time: 24 h

Stop



Snail MicroSampler

Status: Sampling

Battery: 61 % 7.4 V

Sampled volume: 333 cc

Flow rate: 8.3 ccm

Remaining time: 07:19

Elapsed time: 00:40

8 %

Stop

Snail Microsampler Android App @



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