



INJECTION \ WITHDRAW PUMP



Specson 200-X



Technical Specifications

| | |
|-----------------------|--|
| Mode | Infuse/Withdraw |
| Accuracy | $\pm < 0.40\%$ |
| Reproducibility | $\pm < 0.05\%$ |
| Syringe Size(Min/Max) | 0.5 μ L to 60mL |
| Syringe Type | Plastic, Glass and Stainless Steel |
| Syringe Flow Rates | ----- |
| Minimum Flow Rate | 0.0001 μ L/min (with 0.5 μ L syringe) |
| Maximum Flow Rate | 85 mL/min(with 60mL syringe) |
| Linear Force | 61 lb |
| Multi Steps | Infinite number of loop steps |
| Display | 7 inch LCD Capacitive Touch Screen |
| Connectivity | USB-B |
| System Dimensions | 12.2 x 5.1 x 5.12 inches (31 x 13 x 13.3 cm) |
| Power | 110/220 VAC switches between 110V to 220V 30 Watts |
| Weight | 5.1kg |
| Motor Drive | 1.8° Stepper Motor with Micro-stepping |
| Step Resolution | 0.0528 μ m/step |
| Operating Temperature | 4°C to 52°C (40°F to 116°F) |
| Storage Temperature | -10°C to 70°C (14°F to 158°F) |
| Modular Capability | Option to add 8 syringe rack |
| Parameter Setting | Option to choose time or rate |
| Humidity | 20% to 80% RH, non-condensing |
| Installation Category | II |
| Regulatory Compliance | CE |

Specson 200-X

The Fusion 200-X is a modular pump with a 7" capacitive touch screen, user friendly control interface and highly precise continuous injection/withdraw. Users can easily set infinite number of injection/withdraw steps by using advanced recipe management system.

Estimated time display

Two different pump mode

Opens "Create Recipe" menu

Opens "Select Recipe" menu

Opens "Syringe" menu

Recipe Management System

You can create your own recipe and easily select and run pre-saved recipes.

1

Syringe Rate(cc) 5 Withdraw Mode 12.44 Inner Diameter(mm)

Injection Volume(cc) 3 100 Injection Rate(ul/min)

Oh 29m 3sec

123/3000ul

You can monitor start, continue and abort the process

1

Syringe 1 Syringe Type 5 Inner Diameter 9 Save

Beybi Set User's Syringes

Ok

You can create your own syringe from here

You can access pre saved syringes

Also you can select your saved syringes

2

| Mode | Injection Volume(ml) | Injection Rate(ul/min) |
|------|----------------------|------------------------|
| i | 4 | 375 |
| w | 4 | 1200 |
| i | 2 | 1500 |
| w | 2 | 500 |

Syringe Type 5 Inner Diameter 12 Save

Add Step

Syringe Initial mL 4

Go 0. 15. 20.

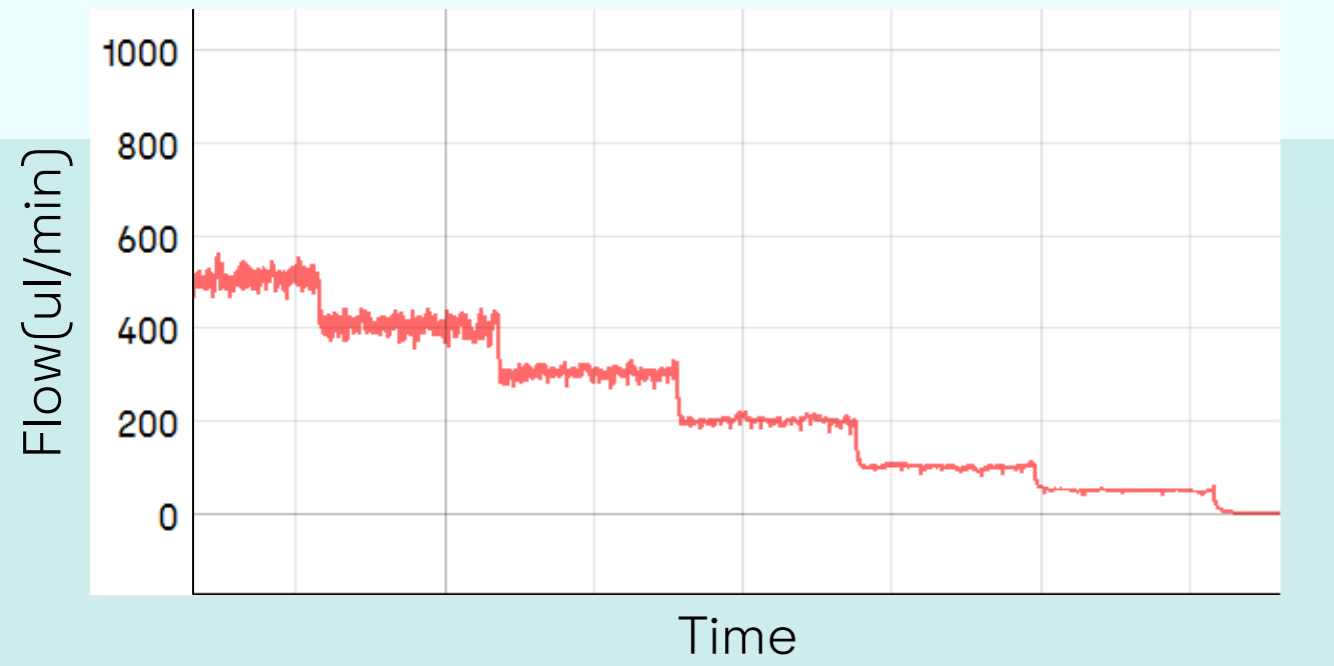
You can select your injection rate and direction

3

Recipe 1 Recipe 2 Recipe 3

Select Delete

Precise & Continuous Flow Characteristics



This data has been collected by Sensirion SLF3S_600 liquid flow meter at different water flow rates.