

## SmartScale™

Pump control, high accuracy, and programmable, open source.



Additions, Dosing and Filtration of buffers and media, Cell Culture, Fermentation, suitable for both upstream and downstream applications.

See SmartScale™ on YouTube: <http://bit.ly/2ifBY2Z>

### Description

SmartScale™ is an integrated pump and scale system for highly accurate and repeatable dispensing, dosing and filtration of common laboratory solutions in a single novel device. SmartScale™ allows easy control and accurate dispensing volumes for filtration control. Works in a laboratory or sterile environment. The same feature that makes this great for upstream also makes it suitable for downstream process control with a different pump. It will facilitate its use for various other applications like filtration, storage, sampling and additions. The unique configuration also allows for robotic and analytical automation and can be integrated with all standard Automated liquid handling systems. It can also communicate with central software controls systems commonly found in the market today.

### WARRANTY

90 days, repair or replace.

Scale Type	Load Cell
Accuracy	0.01g
Power	USB or pump
Materials	Weighing Tray: Polypropylene or S.S. Base: Polypropylene
Sterilization	E-Beam or Gamma at 25 kGy Autoclavable
Capacity	Specify - 10kg
Temperature range	-20°C to +40°C

**Applications:** Vial and bottle filling, Production, Process Development, Sampling, Additions, Buffers, Media, Anti-Foam agents, reagents.

### Features

- All SmartScale™ products can be provided customized for your particular application.
- SmartScale™ eliminates need to manually attend to each liquid handling task.
- Enables automation of “closed, single-use systems” minimizing human manipulation.
- Openly sourced materials and software.
- Small price yet suitable for high accuracy applications of handling feed or pump transfer of media, buffers and product bulks.

### Ordering Information:

SmartScale™	SS-1000-BASE-PP	\$1959
PreFluid™ Peristaltic Pump	PF-WL600b-PUMP	\$2985
Industrial Foot Pedal Switch	SP-2000-PED	\$195

Distributed exclusively by:  
**Optimum Processing Inc.**

For more product information go to: [www.marinsci.com](http://www.marinsci.com)

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