

# simple SDI. 2.0



The portable, automated SDI measurement tool.

## Prevent membrane fouling with simple SDI.

### Why SDI?

Routine SDI measurement can prevent membrane fouling and improve the efficiency of RO systems. The manual SDI method is tedious, time consuming and prone to errors. By automating the test, simple SDI provides an accurate, easy means to perform routine SDI measurements.

simple SDI is compact, light weight and battery-powered. simple SDI's portability makes it ideal for troubleshooting and routine monitoring of multiple systems.

### Features:

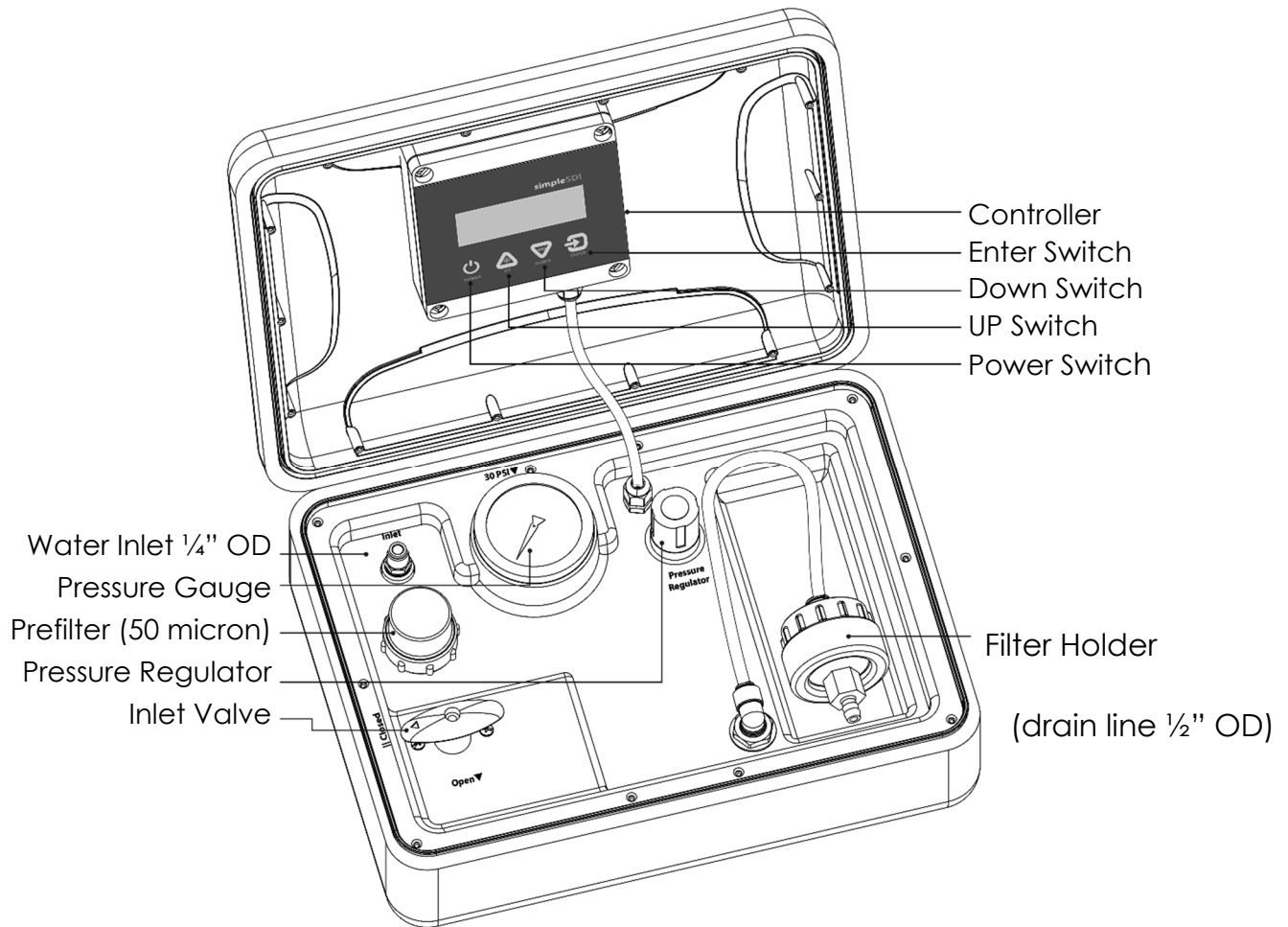
- Performs SDI 5, 10 and 15 minute tests with both 100 ml and 500 ml sample size tests – provides useful data that's impossible to obtain with the manual method. Especially helpful on high SDI waters.
- Unattended operation. Start the test and return in 15 minutes for the results – saves you time.
- Real-time display of results including SDI, current flow rate and elapsed time. End of test display includes SDI 5, 10 & 15 with 100 ml and 500 ml results.
- More accurate than hand testing (ASTM D 4189-95) – consistent results provides better information.
- Battery powered for true portability to conduct tests anywhere.
- Uses standard 47 mm membrane filters – for lower consumable cost and worldwide availability.

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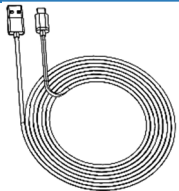
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**MEMBRANES INC.®**

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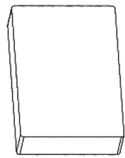
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## Included with simple SDI 2.0



charging cable



membrane filters



tweezers

## Specifications

<b>Dimensions:</b>	14" × 11.25" × 4.75" (356×286×121mm)
<b>Weight:</b>	6 lbs (2.7 kg)
<b>Battery Type:</b>	6 Volt, 3000 mAh Lithium Polymer (LiPo)
<b>Battery Life:</b>	5+ Years typical usage (>300 full charge cycles)
<b>Battery Capacity:</b>	Approximately 30 hours of testing
<b>Power Supply:</b>	5VDC, USB-A Port Charger Included
<b>Min. Feed Pressure:</b>	35 psi (booster pump required for <35 psi)
<b>Max. Feed Pressure:</b>	100 psi maximum
<b>Minimum Flow:</b>	1.4 lpm @ 35 psi at start of test (flow decreases during test)
<b>Temperature:</b>	100°F maximum (max 1°F variation during the test)
<b>Solids:</b>	Free of large solids (filter to 50 micron minimum)
<b>Applicable Standard:</b>	ASTM D4189-07 (2014)
<b>Tests Performed (100 ml &amp; 500 ml sample volumes)</b>	
<b>SDI<sub>5</sub></b>	Range: 0-20
<b>SDI<sub>10</sub></b>	Range: 0-10
<b>SDI<sub>15</sub></b>	Range: 0-6.7

## What's new in simple SDI 2.0?

- New Lithium Polymer battery for more tests per charge, lighter weight, longer life, and universal voltage. USB charging cable is included.
- New built-in prefilter to ensure that the flow sensor is protected from particulates.
- New dual pressure regulator design provides safe operation up to 100psi and improves accuracy by regulating the pressure to the test regulator.
- Improved controller now has backlit LCD, real time clock, data storage, and USB computer interface.
- Watertight enclosure (IP66/67) protects electronics.

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