

# Prevent membrane fouling with simple SDI.



simple SDI :  
the portable,  
automated SDI  
measurement tool.

## 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.

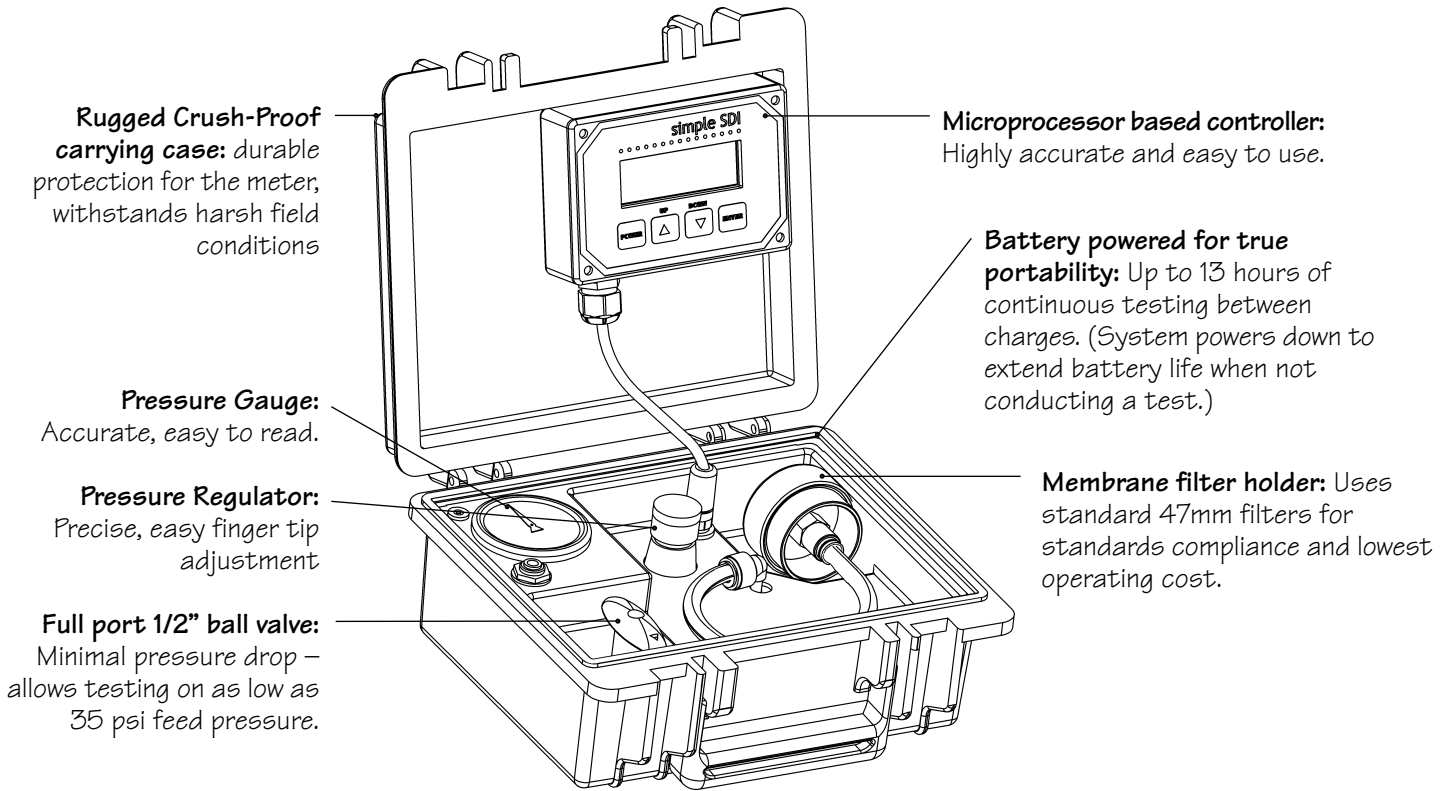
## Features:

- 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 – conduct tests anywhere.
- Uses standard 47 mm membrane filters – for lower consumable cost and worldwide availability.

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**Rugged Crush-Proof carrying case:** durable protection for the meter, withstands harsh field conditions

**Microprocessor based controller:** Highly accurate and easy to use.

**Battery powered for true portability:** Up to 13 hours of continuous testing between charges. (System powers down to extend battery life when not conducting a test.)

**Pressure Gauge:** Accurate, easy to read.

**Membrane filter holder:** Uses standard 47mm filters for standards compliance and lowest operating cost.

**Pressure Regulator:** Precise, easy finger tip adjustment

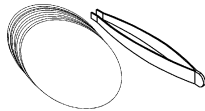
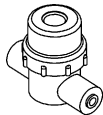
**Full port 1/2" ball valve:** Minimal pressure drop – allows testing on as low as 35 psi feed pressure.

## Included with simple SDI:

Power Supply-  
Battery Charger

Prefilter  
(50 micron)

Membrane filters  
(10) & Tweezers

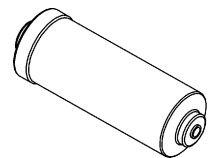
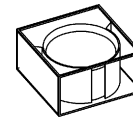
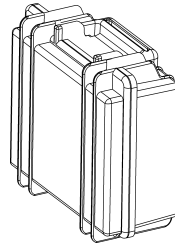


## Optional Components:

Booster Pump

Membrane filters (100)  
(.45 micron, 47 mm)

Prefilter  
(5 micron)



## Specifications

|                   |            |           |   |  |
|-------------------|------------|-----------|---|--|
| <b>Dimensions</b> |            | Inch (mm) | <b>Electrical</b>   | <b>Water</b>   |
| Width             | Deep       | High      | <ul style="list-style-type: none"> <li>Battery: 6V 1.3 AH SLA type. 13 hours testing/charge.</li> <li>Power Supply: 110VAC-9VDC 500ma or 220VAC-9VDC 500ma</li> </ul> | <ul style="list-style-type: none"> <li>Pressure: 35-100 psi</li> <li>Temperature: 35-100°F</li> <li>Solids: Free of solids. Filter to 50 microns minimum.</li> <li>Inlet: 1/4" OD tubing.</li> </ul> |
| 10.75 (273)       | 9.75 (248) | 5 (127)   |   |  |
| <b>Weight</b>     |            |           |   |  |
| 7 lbs, (3.2 kg)   |            |           |   |  |

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