

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:

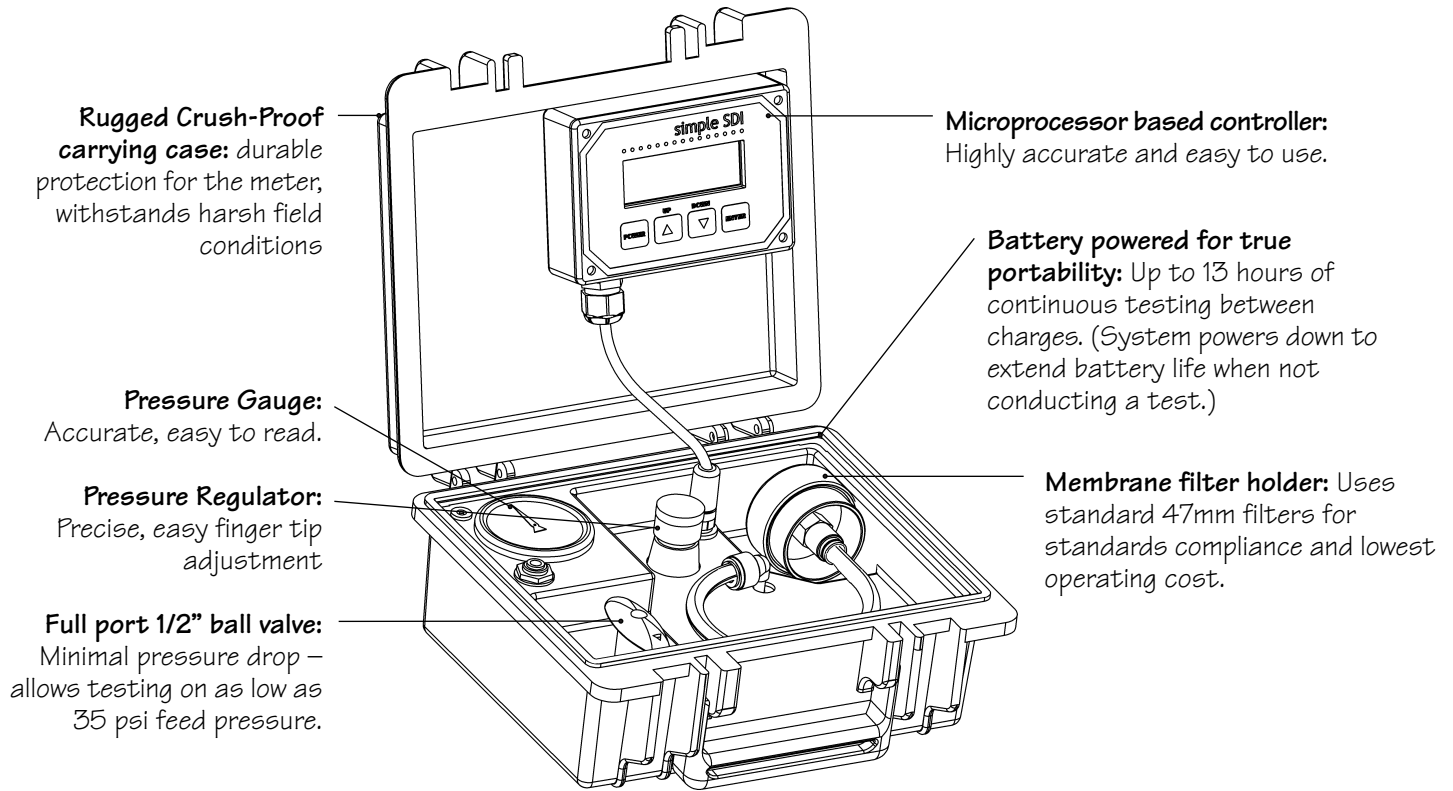
- Performs SDI 5, 10 and 15 minute tests with both 100 ml and 500 ml sample size tests – provides useful data that's impossible to obtain with the manual method. Especially helpful on high SDI waters.
- Unattended operation. Start the test and return in 15 minutes for the results – saves you time.
- 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.

Pressure Regulator: Precise, easy finger tip adjustment

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

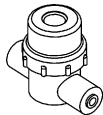
Full port 1/2" ball valve: Minimal pressure drop – allows testing on as low as 35 psi feed pressure.

Included with simple SDI:

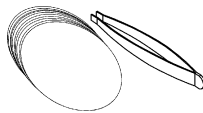
Power Supply-
Battery Charger



Prefilter
(50 micron)

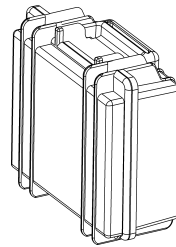


Membrane filters
(10) & Tweezers

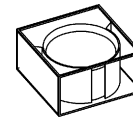


Optional Components:

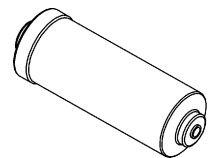
Booster Pump



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



Prefilter
(5 micron)



Specifications

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

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Silt Density Index Testing

Portable Automatic SDI Testers

Simple SDI

- Performs SDI 5, 10 and 15 minute tests with both 100 mL and 500 mL sample size tests.
- Unattended operation. Start the test and return in 15 minutes to see the results.
- 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.
- Accurate and consistent results.
- Batter powered for portability – conduct tests anywhere.
- Uses standard 47 mm membrane filters.

Each model includes a Power Supply, Battery Charger, Accessory Case, pack of 100 each .45 micron 47 mm membrane filters, Special Tweezers for handling of the membranes, and a 50 micron pre-filter.



Product Specifications

Model No.	Description
Y-SIMPLESDI-110	Portable & Automated Silt Density Index Meter, 110 VAC
Y-SIMPLESDI-220	Portable & Automated Silt Density Index Meter, 220 VAC
Spare Parts and Options	
SDI-045	Filters for Silt Density Index Testing, 0.45 Micron, 47 mm, Package of 100
K2305JJ	Pre-filter 5M inline, Omnipure
182-11001	Battery 6V 1.3 AH SLA type
182-40005	Booster pump for 110Vac, used when source water is less than 35 PSI
182-40025	Booster pump for 220Vac, used when source water is less than 35 PSI
182-30059	Pre-Filter 50m Inline
182-30050	Pre-Filter 50m Inline ¼" QC
182-11005	Power Supply/Battery Charger (110 Vac-60Hz)



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