

EC Declaration of Conformity

| Electromagnetic Compliance 2014/30/EU
| Low Voltage 2014/35/EU

The devices defined below have been developed, constructed and manufactured according to the above mentioned EU directives. The applied harmonized standards are noted below.

Product Description

Product Name: simpleSDI

Product Type: Portable, battery powered silt density index testing tool.

Manufacturer: Spears Design and Consulting Inc.

Product Environment:

This product is intended for use in commercial and light-industrial environments.

Applicable Directives

Emission: EN 61000-6-3:2007/A1:2011

Immunity: EN 61000-6-1:2007

Declaration Issued April 23, 2020



David Spears
Technical Director

Specifications

Dimensions	Inch (mm)		
	Wide	Deep	High
	14.0 (356)	11.25 (286)	4.75 (121)

Weight 6 pounds, (2.7kg)

Electrical

Battery Type:	6 Volt, 3000 mAH Lithium Polymer (LiPo)
Battery Life:	At least 5 years of typical usage. (Over 300 full charge cycles)
Battery Capacity:	Approximately 30 hours of testing.
Power Supply:	5VDC, USB-A Port charger, (e.g. phone, tablet or other device charger (user supplied))

Sample Water Requirements

Feed Pressure	35 psi minimum, 100 psi maximum. (Booster pump available.)
Minimum flow rate	1.4 Liters per minute at 35 psi at start of test. Flow decreases during test.
Temperature	100°F maximum. (Max 1°F variation during test)
Solids	Free of large solids. Filter to 50 micron minimum.

Tests Performed

SDI₅	Range: 0-20	100ml and 500 ml sample volumes
SDI₁₀	Range: 0-10	100 ml and 500 ml sample volumes
SDI₁₅	Range: 0-6.7	100 ml and 500 ml sample volumes

Applicable Standard ASTM D4189-07 (2014)

simpleSDI: Limited Warranty

What the warranty covers:

Applied Membranes Inc. (AMI) warrants the simpleSDI meter to be free from defects in materials and workmanship during the warranty period. If a product proves to be defective during the warranty period, AMI will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

The simpleSDI meter is warranted for one (1) year for parts and labor from the date of the first consumer purchase or 15 months from ship date, whichever comes first.

What the warranty does not cover:

1. Damage, deterioration or malfunction resulting from:
 - a. Accident, misuse, neglect, fire, water lightning or other acts of nature, unauthorized product modification or failure to follow instructions supplied with the product.
 - b. Repair or attempted repair by anyone not authorized by AMI
 - c. Any damage of the product due to shipment.
 - d. Causes external to the product such as electric power fluctuations.
 - e. Use of supplies or parts not meeting AMI's specifications.
 - f. Normal wear and tear.
 - g. Any other cause which does not relate to a product defect.
2. Transportation costs necessary to obtain service under this warranty.
3. Labor other than factory labor.

How to get service:

1. To obtain warranty service, contact AMI for a Return Material Authorization (RMA).
2. You will be required to provide:
 - a. The serial number of your meter
 - b. Your name and address
 - c. A description of the problem
3. Package the meter carefully for shipment and return the meter to AMI, freight prepaid.

Limitation of implied warranties:

There are no warranties, expressed or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

AMI's liability is limited to the cost of repair or replacement of the product. AMI shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships or other commercial loss, even if advised of the possibility or such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.