

# PosiTector<sup>®</sup> SST Soluble Salt Tester



Measures the concentration of  
soluble salts on metal surfaces



*Innovative PosiPatch™...*

- No adhesive residue
- Automatic air removal
- No sharps, no needles!

 **STORM  
MACHINERY**

For use with  
all Bresle patch  
types including  
PosiPatch

**DeFelsko<sup>®</sup>**  
The Measure of Quality

 **Bluetooth<sup>®</sup>**



Available on the  
**App Store**





# PosiTector<sup>®</sup> SST Soluble Salt Tester

## All Gages Feature...

### Simple

- Conductivity probe specifically designed for ISO 8502-6,9
- Displays test duration, sample temperature, conductivity ( $\mu\text{S}/\text{cm}$ ) and surface density ( $\text{mg}/\text{m}^2$  or  $\mu\text{g}/\text{cm}^2$ )
- On-screen interface guides users through the Bresle test method
- Automatic storage of a background (blank) measurement—handy when performing multiple tests
- **NEW** Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- **NEW** On-gage help explains menu items at the touch of a button

### Durable

- **NEW** Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- **NEW** Ergonomic design with durable rubberized grip
- Two year warranty on gage body AND probe

### Accurate

- Long Form Certificate of Calibration showing traceability to NIST included
- Includes certified conductivity standard (calibration solution) to verify probe accuracy. Certificate included.
- Automatic temperature normalization and sample temperature reporting
- Conforms to national and international standards including ISO, NACE, SSPC, IMO, and US Navy

### Versatile

- PosiTector body accepts all PosiTector SST, 6000, 200, DPM, IRT, RTR, SPG, SHD, BHI, and UTG probes easily converting from a soluble salt tester to a coating thickness gage, dew point meter, surface profile gage, hardness tester, or ultrasonic wall thickness gage
- Ideal for determination of water-soluble contaminants in non-metallic blast media
- A selection of kits include everything needed to retrieve and analyze the concentration of soluble salts on surfaces
- Adjustable for various patch volumes
- Selectable display languages
- **NEW** Auto rotating display with Flip Lock

### Powerful

- Track and record test duration in accordance with ISO 8502-6
- **NEW** Screen Capture—save 100 screen images for record keeping and review
- **NEW** Up to 30% longer battery life
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required.
- Includes PosiSoft suite of software for viewing and reporting data

## Select Standard or Advanced Features

### Standard Models

**Includes ALL features as shown above plus...**

- **NEW** Storage of 1,000 readings per probe—stored readings can be viewed or downloaded

### Advanced Models

**Includes ALL features as shown above plus...**

- **NEW** Storage of 250,000 readings from multiple probes in up to 1,000 batches and sub-batches
- **NEW** Touchscreen keyboard for quickly renaming batches, adding notes, and more
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- **Bluetooth<sup>®</sup> 4.0 Technology** for data transfer to a mobile device running the PosiTector App or optional portable printer. **BLE API** available for integration into third-party software.

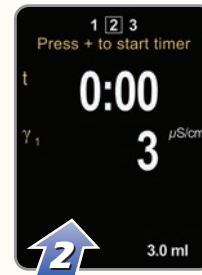


## Easy 1-2-3 Bresle Test



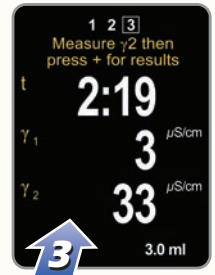
### Reference...

Fill the syringe with DI water. Take background reading.



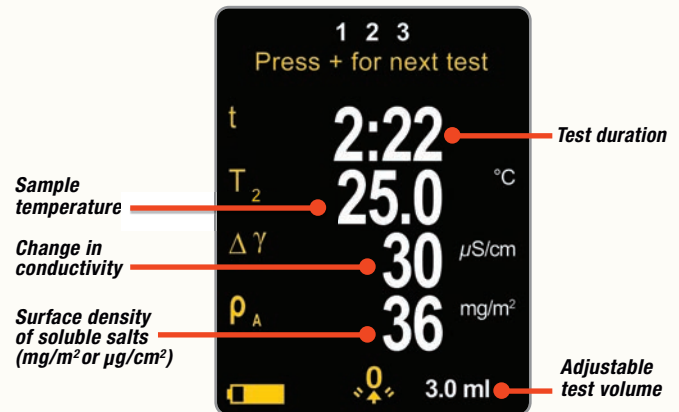
### Sample...

Inject water into patch. Start timer.



### Record...

Withdraw, inject into PosiTector SST.



## PosiSoft<sup>®</sup>

**FREE SOLUTIONS**  
for viewing,  
analyzing, and  
reporting data:



### US812 Bridge Approach



#### Salt Test US812-SB

Created: 2020-01-03 15:56:49  
PosiTector Body S/N: 884293  
Probe Type: PosiTector SST  
Probe S/N: 285817



#### Summary

	#	x	σ	↓	↑
Conductivity $\Delta\gamma$ ( $\mu\text{S}/\text{cm}$ )	13	31.8	3.1	24	35
Surface Density $\rho_A$ ( $\text{mg}/\text{m}^2$ )	13	38.3	3.8	29	42

#### Readings

#	$\gamma$	$\gamma_1$	$\Delta\gamma$	pA	Duration	T	T	Volume	Time
	( $\mu\text{S}/\text{cm}$ )	( $\mu\text{S}/\text{cm}$ )		( $\text{mg}/\text{m}^2$ )	(min)	( $^{\circ}\text{C}$ )	( $^{\circ}\text{C}$ )	(ml)	
1	2	26	24	29	2:20	26.4	26.4	3.0	2016-09-15 16:03:30
2	0	34	34	41	2:17	26.6	26.6	3.0	16:06:48
3	0	35	35	42	2:13	26.8	26.3	3.0	16:09:16
4	1	36	35	42	2:10	26.3	25.7	3.0	16:11:48
5	5	34	29	35	2:08	25.6	25.3	3.0	16:14:52
6	0	33	33	40	2:12	25.3	25.4	3.0	16:17:42
7	3	32	29	35	2:14	25.6	25.8	3.0	16:20:40
8	3	33	30	36	2:15	25.6	26.3	3.0	16:23:24
9	0	34	34	41	2:13	26.3	26.6	3.0	16:26:03
10	1	34	33	40	2:13	26.7	27.6	3.0	16:29:35
11	1	34	33	40	2:18	26.7	27.9	3.0	16:31:10
12	1	34	33	40	2:30	26.7	27.8	3.0	16:34:05
13	1	32	31	37	2:10	26.7	27.3	3.0	16:36:47



# PosiTector® SST Bresle Method Patch Options



## PosiPatch

Reusable patch with Standard or Flexible magnetic ring

- For measuring salt contamination in accordance with ISO 8502-6,9
- Magnetic ring attaches PosiPatch to steel with no residue to clean
- Standard magnetic ring for flat surfaces and diameters >1 m (40 in.)
- Flexible magnetic ring for ID/OD diameters >10 cm (4 in.)†
- Automatic air removal through a watertight, air permeable membrane
- No sharps, no needles! Safe, flexible dispensing tip mates with PosiPatch
- Comparable price to latex patches
- Reusable patent-pending PosiPatch saves time and money
- Easy-to-use in any orientation

### Specifications

Test Area*	1,250 mm <sup>2</sup>
Test Volume	2.5 – 3 ml
Patch Diameter	44.4 mm (1.75 in.)
Magnetic Ring Diameter	66.9 mm (2.6 in.)
Background Contamination*	< 3 mg/m <sup>2</sup>

† Flexible Magnetic Ring minimum ID is 12 cm (4.5 in.)

\* Certificate included

### Innovative...

PosiPatch attaches to steel surfaces using a unique magnetic ring



## PosiPatch™ Advantage...

Magnetic ring  
—no adhesive residue to clean

Reusable PosiPatch saves time and money

Automatic air removal through a watertight, air permeable membrane

No sharps! Safe, flexible dispensing tip



## DeFelsko Patch

Self-adhesive, polyurethane patches

- For measuring salt contamination in accordance with ISO 8502-6,9
- Low-tack adhesive for easy patch removal with no residue to clean
- Works on nearly any material or surface geometry
- Latex-free
- Lower cost than latex patch
- Easy-to-use in any orientation



### Specifications

Test Area*	1,250 mm <sup>2</sup>
Test Volume	2 – 3 ml
Dimensions	50 mm x 50 mm (1.97 in. x 1.97 in.)
Background Contamination*	< 5 mg/m <sup>2</sup>

\* Certificate included

## Latex Patch

ISO 8502-6 conforming latex patch with easy-peel tab and low-tack adhesive for easy removal



### Specifications

Test Area*	1,250 mm <sup>2</sup>
Test Volume	2 – 15 ml
Dimensions	52 mm x 52 mm (2.05 in. x 2.05 in.)
Background Contamination*	< 5 mg/m <sup>2</sup>

\* Certificate included



Ordering Guide	Gage/Probe Only	PosiPatch Kit	DeFelsko Adhesive Patch Kit	Latex Adhesive Patch Kit
Probe Only <sup>1</sup>	PRBSST	SSTKITP	SSTKITD	SSTKITL
Standard Body + Probe <sup>2</sup>	SST1	SSTKITP1	SSTKITD1	SSTKITL1
Advanced Body + Probe <sup>2</sup>	SST3	SSTKITP3	SSTKITD3	SSTKITL3
Inclusions	<ul style="list-style-type: none"> <li>Protective carrying case (SST1 and SST3 only)</li> </ul>	<ul style="list-style-type: none"> <li>PosiPatch (5)</li> <li>Standard Magnetic Ring*</li> <li>Syringe and Plastic Tip(2)</li> <li>250 ml DI Water</li> <li>Cup (5)</li> <li>Hard-shell Carrying Case</li> </ul>	<ul style="list-style-type: none"> <li>DeFelsko Adhesive Patch (25)</li> <li>Syringe and Needle (2)</li> <li>250 ml DI Water</li> <li>Cup (5)</li> <li>Hard-shell Carrying Case</li> </ul>	<ul style="list-style-type: none"> <li>Latex Adhesive Patch (25)</li> <li>Syringe and Needle (2)</li> <li>250 ml DI Water</li> <li>Cup (5)</li> <li>Hard-shell Carrying Case</li> </ul>
	<p><b>1. PosiTector SST Probe Only models come complete with:</b> certified conductivity standard, foam swabs (5), Long Form Certificate of Calibration traceable to NIST, instructions, PosiSoft Software, two (2) year warranty.</p> <p><b>2. PosiTector SST Standard/Advanced Body + Probe models come complete with:</b> protective rubber holster, certified conductivity standard, foam swabs (5), Long Form Certificate of Calibration traceable to NIST, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, USB cable, PosiSoft Software, two (2) year warranty.</p>			

\* Substitute the Flexible Magnetic Ring for smaller ID/OD diameters by adding 'F' to the product code (i.e. SSTKITPF, SSTKITPF1, SSTKITPF3).

### PosiTector SSTKITP1 shown



### PosiTector SST Specifications

Range	0 – 1500 $\mu\text{S}/\text{cm}$ , 0 – 6000 $\text{mg}/\text{m}^2$ , 0.0 – 600.0 $\mu\text{g}/\text{cm}^2$
Resolution <sup>1</sup>	1 $\mu\text{S}/\text{cm}$ , 1 $\text{mg}/\text{m}^2$ , 0.1 $\mu\text{g}/\text{cm}^2$
Accuracy	$\pm 2 \mu\text{S}/\text{cm}$ (0 – 200 $\mu\text{S}/\text{cm}$ ) $\pm 10 \mu\text{S}/\text{cm}$ (>200 – 600 $\mu\text{S}/\text{cm}$ ) $\pm 20 \mu\text{S}/\text{cm}$ (>600 – 1500 $\mu\text{S}/\text{cm}$ )
Temperature Range	0 – 50° C (32 – 122° F)
Normalization Temperature	25° C (77° F)
Test Cell Volume	1 ml

1. Hi Res Mode increases resolution to 0.1  $\mu\text{S}/\text{cm}$  (0 – 200  $\mu\text{S}/\text{cm}$ )

\*Size: 127 x 66 x 25.4 mm (5" x 2.6" x 1") \*Weight: 137 g (4.9 oz.) without batteries

\*Size and weight are for the PosiTector gage body only and do not include the probe.

### PosiPatch Starter Kit (SSTKITPATCHP/SSTKITPATCHPF)

For use with existing conductivity meters. Try the revolutionary, reusable PosiPatch with a Standard or Flexible Magnetic Ring. Includes: PosiPatch (5), syringe (2), dispensing tip (2), and choice of standard or flexible magnetic ring.

### Abrasives Test Kit (SSTABRKIT)

Measure the concentration of soluble salts in blast cleaning abrasives in accordance with ASTM D4940 and ISO 11127-6. Includes: 600 ml glass beaker, 100 ml glass beaker, plastic funnel, 600 ml plastic mixing beaker, 60 ml (2 oz.) Certified Conductivity Standard, 1 liter deionized water (type II), 100 circle filters (125 mm), stainless steel mixing rod, instruction card, hard shell case, and certificate of analysis

### Replacement Patches

PosiPatch (5 pack)	SSTPATCHP5
PosiPatch (24 pack)	SSTPATCHP24
Standard Magnetic Ring for PosiPatch	SSTRING
Flexible Magnetic Ring for PosiPatch	SSTRINGF
DeFelsko Adhesive Patch + Needle (25 pack)	SSTPATCHD25
Latex Adhesive Patch + Needle (25 pack)	SSTPATCHL25

### Consumables

**Plastic Dispensing Tips** (10 pack) — for use with the PosiPatch

**Needles** (10 pack) — for use with adhesive patches

**3 ml syringes** (10 pack) — for use with dispensing tips and/or needles

**30 ml Cups** (10 pack) — sterile, single-use cups ensure measurement accuracy

**Certified Conductivity Standard** (60 ml, 2 oz.) — to verify probe accuracy

**Deionized Water** (250 ml [8 oz.] or 1 L [33.8 oz.]) — purified, ion-free water

**Foam Swabs** (5 pack) — for cleaning the probe's test cell

**Circle Filters** (100 pack) — 125 mm for use with Abrasives Test Kit

Conforms to ISO 8502-6/8502-9, US Navy NSI 009-32, US Navy PPI 63101-000, AS 3894.6, IMO MSC.215(82), IMO MSC.244(83), SSPC Guide 15, ISO 11127-6, ASTM D4940

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Made in U.S.A.

# PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

## PosiSoft Desktop — PC/Mac

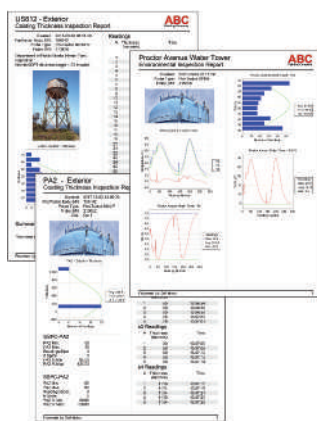
Powerful desktop software for downloading, archiving, and reporting measurement data.

- Import readings directly from the gage via USB, WiFi, or legacy PosiSoft Desktop versions
- **Jobs feature** consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports
- Fully integrates with PosiSoft.net—backup and synchronize jobs, batches, readings, and report templates to the cloud (see inset at right)
- Export readings as .csv (comma separated value) files for easy import into Excel and other spreadsheets



## Professional, Custom Reports

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and logos, and choose to display charts, histograms, and/or individual readings
- Drag-and-drop Custom Fields mode—import PDF forms and overlay fields to automatically populate inspection data



## Prompted Batch Mode

Create pre-defined batches with onscreen text and image prompts for each reading and upload to PosiTector 6000, 200, and UTG gages (*Advanced models only*).

- Ideal for ensuring a consistent measurement pattern for repetitive jobs or when specific measurement locations are required

## PosiTector App — iOS/Android

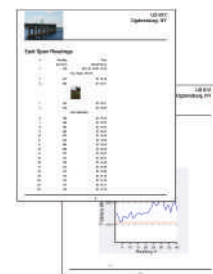
Fully-featured mobile app that connects to the PosiTector SmartLink, PosiTector Advanced gages, and the PosiTest AT-A.

- Auto pairing Bluetooth BLE connection
- Add images and notes to individual readings or batches directly from your device
- Email readings as .csv (comma separated value) files for easy import to Excel and other spreadsheets.
- Synchronize readings with PosiSoft.net—backup and synchronize jobs, batches, and readings to the cloud (see inset below)



## Mobile Reporting Solution

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more
- Email pre-formatted or custom reports from your device instantly



## PosiSoft.net

Secure storage of measurement data in the cloud.

compatible with **PosiSoft Desktop** and **PosiTector App**

- Upload measurement data directly from WiFi-connected PosiTector Advanced gages from anywhere in the world—no software required
- Synchronize and share measurement data across multiple computers

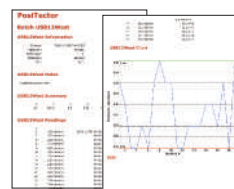
### Ideal for...

- Users with multiple computers, instruments, and office locations
- Inspection companies managing data from multiple inspectors
- Login from PosiSoft Desktop to synchronize all measurement data and stored report templates from your account



**PosiSoft.net Web Viewer** Review measurement data and print simple, pre-formatted PDF reports from any web browser—no software installation required.

## PosiSoft USB Drive — Gage based



A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

## PosiTector Developer Resources

•Bluetooth 4.0 •WiFi •Keyboard Mode •USB Serial

PosiTector and PosiTest AT-A instruments can integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols including: Bluetooth 4.0, WiFi, Keyboard mode, and USB serial.

