

# 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!

*For use with  
all Bresle patch  
types including  
PosiPatch*

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

 Bluetooth<sup>®</sup>

  
WiFi

 Available on the  
App Store



# PosiTector® 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  $\mu\text{g}/\text{cm}^2$ )
- Onscreen interface guides users through the Bresle test method
- Automatic storage of a background (blank) measurement — handy when performing multiple tests

### Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Shock-absorbing, protective rubber holster with belt clip
- 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, RTR, SPG, DPM, SHD and UTG probes easily converting from a soluble salt tester to a coating thickness gage, surface profile gage, dew point meter, Shore hardness durometer 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
- High contrast reversible color LCD with backlit display
- Uses alkaline or rechargeable batteries (built-in charger)

### Powerful

- Tracks test duration in accordance with ISO 8502-6
- Screen Capture—save screen images for record keeping and review
- USB port for fast, simple connection to a PC and to supply continuous power
- Every stored measurement is date, time and temperature stamped
- Software updates via internet keep your gage current
- 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...**

- Storage of 250 readings—stored readings can be viewed or downloaded

### Advanced Models

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

- Storage of 100,000 readings in up to 1,000 batches
- Batch annotation—add notes and change batch names with onscreen QWERTY keyboard
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- Data transfer via USB to a PC or via  Bluetooth® Wireless Technology to a mobile device, PC or printer
- Store thickness, profile, environmental, wall thickness, hardness and salt contamination measurements in individual batches



## Easy 1-2-3 Bresle Test



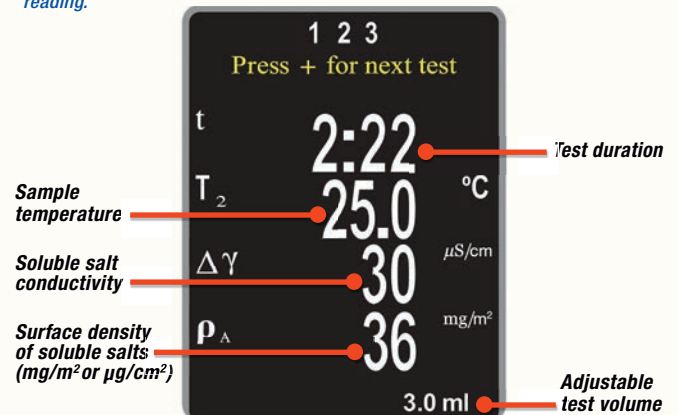
**Reference...**  
Fill the syringe with DI water. Take background reading.



**Sample...**  
Inject water into patch. Start timer.



**Record...**  
Withdraw, inject into PosiTector SST.



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



### US812 Bridge Approach



#### Salt Test US812-SB

Created: 2016-09-15 15:56:49  
PosiTector Body S/N: 784293  
Probe Type: PosiTector SST  
Probe S/N: 265817



#### 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

#	$\gamma_1$ ( $\mu\text{S}/\text{cm}$ )	$\gamma_2$ ( $\mu\text{S}/\text{cm}$ )	$\Delta\gamma$ ( $\mu\text{S}/\text{cm}$ )	$\rho_A$ ( $\text{mg}/\text{m}^2$ )	Duration	$T_1$ ( $^{\circ}\text{C}$ )	$T_2$ ( $^{\circ}\text{C}$ )	Volume (ml)	Time
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	26.8	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	16:28:35
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<sup>®</sup> 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 >1m (40 in.)
  - Flexible magnetic ring for ID/OD diameters >10 cm (4 in.)<sup>†</sup>
- 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*	1250 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>

<sup>†</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



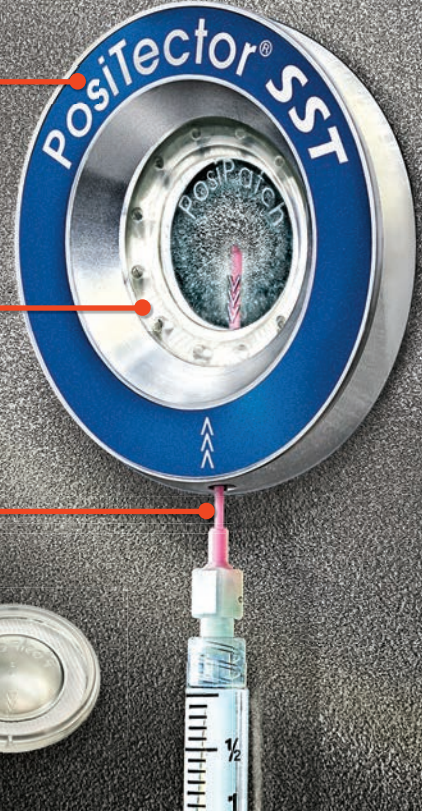
## PosiPatch<sup>™</sup> Advantage...

**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*	1250 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-open tabs and low-tack adhesive for easy removal



### Specifications

Test Area*	1250 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	Kit P: PosiPatch Kit	Kit D: DeFelsko Adhesive Patch Kit	Kit L: 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>Nylon carrying case with shoulder strap (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><sup>1</sup> PosiTector SST Probe Only models come complete with: certified conductivity standard, foam swabs (5), Long Form Certificate of Calibration traceable to NIST, instructions, PosiSoft Software, two (2) year warranty.</p> <p><sup>2</sup> PosiTector SST Standard/Advanced Body + Probe models come complete with: protective rubber holster, certified conductivity standard, foam swabs (5), Long Form Certificate of Calibration traceable to NIST, belt clip, 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*	1 $\mu\text{S}/\text{cm}$ , 1 $\text{mg}/\text{m}^2$ , 0.1 $\mu\text{g}/\text{cm}^2$
Accuracy	+/- 2 $\mu\text{S}/\text{cm}$ (0 – 200 $\mu\text{S}/\text{cm}$ ) +/- 10 $\mu\text{S}/\text{cm}$ (>200 – 600 $\mu\text{S}/\text{cm}$ ) +/- 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

\* Hi Res Mode 0.1  $\mu\text{S}/\text{cm}$  (0 – 200  $\mu\text{S}/\text{cm}$ )

SIZE: 165 x 61 x 28 mm (6.5" x 2.4" x 1.1")

WEIGHT: 140 g (4.9 oz.) without batteries

### PosiPatch Starter Kit (SSTKITPATCHP)

For use with existing conductivity meters. Try the revolutionary, reusable PosiPatch with a low cost trial pack.

**Includes:** PosiPatch (5), syringe (2), dispensing tip (2), and standard 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 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 1L [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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