PosiTector® SST
Soluble Salt Tester

IP65

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®
The Measure of Quality

Bluetooth® 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 (µS/cm) and surface density (mg/m² or µg/cm²)
- 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® **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.*

Test duration

Sample temperature

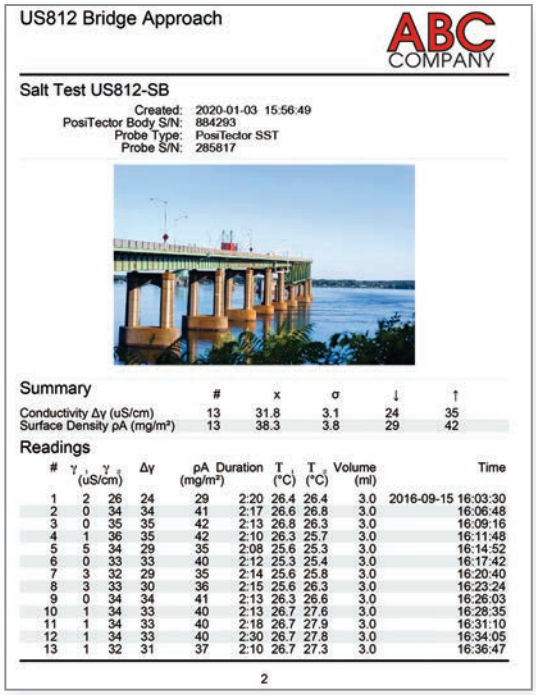
Change in conductivity

Surface density of soluble salts (mg/m² or µg/cm²)

Adjustable test volume

PosiSoft®

FREE SOLUTIONS for viewing, analyzing, and reporting data:



US812 Bridge Approach

ABC COMPANY

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 Δγ (uS/cm)	13	31.8	3.1	24	35
Surface Density pA (mg/m²)	13	38.3	3.8	29	42

Readings

#	γ1 (uS/cm)	γ2	Δγ	pA (mg/m²)	Duration	T1 (°C)	T2 (°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

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PosiTector® SST Bresle Method Patch Options

PosiPatch

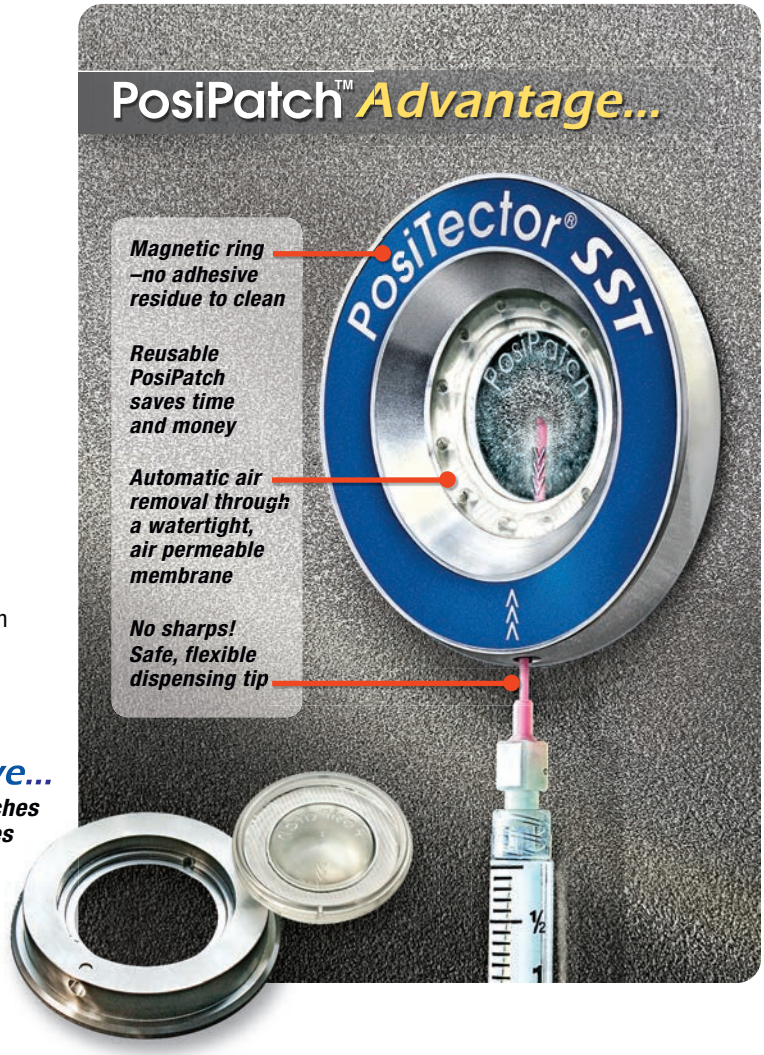
Reusable patch with Standard or Flexible magnetic ring

- 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 mm²
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/m²

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



Innovative...

PosiPatch attaches to steel surfaces using a unique magnetic ring

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 mm²
Test Volume	2 – 3 ml
Dimensions	50 mm x 50 mm (1.97 in. x 1.97 in)
Background Contamination*	< 5 mg/m²

* 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 mm²
Test Volume	2 – 15 ml
Dimensions	52 mm x 52 mm (2.05 in. x 2.05 in)
Background Contamination*	< 5 mg/m²

* Certificate included

Ordering Guide	Gage/Probe Only	PosiPatch Kit	DeFelsko Adhesive Patch Kit	Latex Adhesive Patch Kit
Probe Only[1]	PRBSST	SSTKITP	SSTKITD	SSTKITL
Standard Body + Probe[2]	SST1	SSTKITP1	SSTKITD1	SSTKITL1
Advanced Body + Probe[2]	SST3	SSTKITP3	SSTKITD3	SSTKITL3
Inclusions	• Nylon carrying case with shoulder strap *(SST1 and SST3 only)*	• PosiPatch (5) • Standard Magnetic Ring* • Syringe and Plastic Tip (2) • 250 ml DI Water • Cup (5) • Hard-shell Carrying Case	• DeFelsko Adhesive Patch (25) • Syringe and Needle (2) • 250 ml DI Water • Cup (5) • Hard-shell Carrying Case	• Latex Adhesive Patch (25) • Syringe and Needle (2) • 250 ml DI Water • Cup (5) • Hard-shell Carrying Case
	1. 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. **2. 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, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, USB cable, PosiSoft Software, two (2) year warranty.			

***** 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 µS/cm, 0 – 6000 mg/m², 0.0 – 600.0 µg/cm²
Resolution[1]	1 µS/cm, 1 mg/m², 0.1 µg/cm²
Accuracy	± 2 µS/cm (0 – 200 µS/cm) ± 10 µS/cm (>200 – 600 µS/cm) ± 20 µS/cm (>600 – 1500 µS/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 µS/cm (0 – 200 µS/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) **PosiPatch** (24 pack)	SSTPATCHP5 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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