



PosiTector[®] 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[®]
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 ($\mu\text{S}/\text{cm}$) and surface density (mg/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

1 2 3
Press - to reuse γ_1

T_1 24.3 °C
 γ_1 1 $\mu\text{S}/\text{cm}$

Press + to set new γ_1

T 24.4 °C
 γ 3 $\mu\text{S}/\text{cm}$

3.0 ml

1

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

1 2 3
Press + to start timer

t 0:00

γ_1 3 $\mu\text{S}/\text{cm}$

3.0 ml

2

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

1 2 3
Measure γ_2 then press + for result

t 2:19

γ_1 3 $\mu\text{S}/\text{cm}$
 γ_2 33 $\mu\text{S}/\text{cm}$

3.0 ml

3

Record...
Withdraw, inject into PosiTector SST.

1 2 3
Press + for next test

t 2:22

T_2 25.0 °C

$\Delta\gamma$ 30 $\mu\text{S}/\text{cm}$

ρ_A 36 mg/m^2

3.0 ml

Labels: Sample temperature, Soluble salt conductivity, Surface density of soluble salts (mg/m² or $\mu\text{g}/\text{cm}^2$), Test duration, Adjustable test volume

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



US812 Bridge Approach

ABC COMPANY

Salt Test US812-SB

Created: 2016-09-15 15:56:49
PosiTector Body S/N: 784293
Probe Type: PosiTector SST
Probe S/N: 255817

Summary

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

Readings

#	γ_1	γ_2	$\Delta\gamma$	ρ_A	Duration	T	T	Volume	Time
	($\mu\text{S}/\text{cm}$)	($\mu\text{S}/\text{cm}$)	($\mu\text{S}/\text{cm}$)	(mg/m^2)	(min)	(°C)	(°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	26.8	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	16:25:03
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

2

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 >1m (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*	1250 mm ²
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 ²

† 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*	1250 mm ²
Test Volume	2 – 3 ml
Dimensions	50 mm x 50 mm (1.97 in. x 1.97 in)
Background Contamination*	< 5 mg/m ²

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

* 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 ¹	PRBSST	SSTKITP	SSTKITD	SSTKITL
Standard Body + Probe ²	SST1	SSTKITP1	SSTKITD1	SSTKITL1
Advanced Body + Probe ²	SST3	SSTKITP3	SSTKITD3	SSTKITL3
Inclusions	<ul style="list-style-type: none"> Nylon carrying case with shoulder strap (SST1 and SST3 only) 	<ul style="list-style-type: none"> PosiPatch (5) Standard Magnetic Ring* Syringe and Plastic Tip (2) 250 ml DI Water Cup (5) Hard-shell Carrying Case 	<ul style="list-style-type: none"> DeFelsko Adhesive Patch (25) Syringe and Needle (2) 250 ml DI Water Cup (5) Hard-shell Carrying Case 	<ul style="list-style-type: none"> Latex Adhesive Patch (25) Syringe and Needle (2) 250 ml DI Water Cup (5) Hard-shell Carrying Case
	<p>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.</p> <p>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, 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 mg/m^2 , 0.0 – 600.0 $\mu\text{g}/\text{cm}^2$
Resolution*	1 $\mu\text{S}/\text{cm}$, 1 mg/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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