

PosiTector[®] **DPM** Dew Point Meter



Measures and records climatic conditions including:

Relative humidity, air temperature, surface temperature, dew point temperature, and difference between surface and dew point temperatures. Ideal for surface preparation as required by ISO 8502-4.



Select from 5 probe models



Available on the
App Store



WiFi

PosiTector[®]
SmartLink[™]
Compatible



DeFelsko[®]
The Measure of Quality

D A T A S E T *

MEASURES

RH – relative humidity
Ta – air temperature
Ts – surface temperature
v – wind velocity

CALCULATES

Td – dew point temperature
Ts-Td – the difference between surface and dew point temperatures
Tw – wet bulb

* Dependent on model

PosiTector®*DPM* Dew Point Meter

All Gages Feature...

Simple

- All readings are constantly updated and displayed simultaneously
- Alarms indicate when climate conditions are unsuitable for painting
- Large 2.8" impact resistant color touchscreen with redesigned keypad

Durable

- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- **NEW** Clean RH Sensor mode helps restore performance after prolonged exposure to high humidity or VOC-rich environments (PRBDPM, DPM1, DPM3 only)
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

Accurate

- Fast response precision sensors provide accurate, repeatable readings
- Smart Trend™ indicators identify rising, falling, or stable readings
- **NEW** Relative Humidity and Surface Temperature sensors acclimate in as little as half the time of previous models (PRBDPM, DPM1, DPM3 only)
- **NEW** Field replaceable, pre-calibrated, and Certified Relative Humidity/Air Temperature sensors minimize downtime (PRBDPM, DPM1, DPM3 only)
- Certificate of Calibration showing traceability to NIST included
- Conforms to national and international standards including ISO and ASTM

Versatile

- PosiTector body accepts all PosiTector DPM, IRT, 6000, 200, RTR, SPG, SST, SHD, BHI, GLS, and UTG probes easily converting from a dew point meter to a coating thickness gage, surface profile gage, soluble salt tester, hardness tester, gloss meter, or ultrasonic wall thickness gage
- Auto Log mode records environmental parameters at user selected intervals
- Auto rotating display with Flip Lock

Powerful

- Screen Capture—save 100 screen images for record keeping and review
- 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

Standard Models

Includes ALL features as shown on left plus...

- Storage of 2,500 datasets per probe—stored readings can be viewed or downloaded
- Auto Log mode runs unattended on batteries for up to 50 hours or continuously via USB

Advanced Models

Includes ALL features as shown on left plus...

- Storage of 250,000 datasets from multiple probes in up to 1,000 batches
- Enhanced Auto Log mode powers the gage off between readings for up to 8 months of battery life. Each reading can be uploaded to PosiSoft.net or an FTP server using WiFi. Automatically group readings into batches at daily, weekly, or monthly intervals
- User defined alarms for all parameters—visible and audible warnings. Receive email alerts when connected to WiFi
- Trend Charts graph readings in real-time
- 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.
- Store thickness, profile, environmental, salt contamination, hardness, and wall thickness measurements in individual batches
- Wet bulb temperature can be displayed and recorded

PosiTector SmartLink™ Compatible

- Wirelessly connect PosiTector DPM and DPMS probes to your smart device
- Turns your cell phone or tablet into a virtual PosiTector gage
- Includes Free mobile app

For a complete comparison
visit www.defelsko.com/dpm

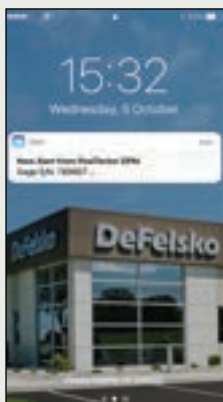


Remote Monitoring with Auto Log Mode

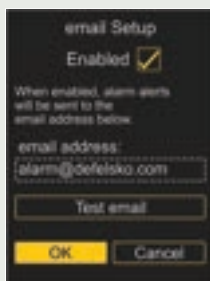
In addition to its capability as a handheld instrument, the PosiTector DPM Advanced model's innovative Auto Log feature can be used to. . .

- Monitor and record climatic conditions at user-selected intervals. Advanced models allow you to create new batches at daily, weekly, or monthly intervals.
- Upload readings to the cloud-based PosiSoft.net website after each measurement*
- Receive email alerts when readings exceed pre-defined parameters*
- Upload readings to an FTP server for integration with third party software*
- View environmental readings from one or more gages in remote locations from PosiSoft Desktop software or web-based PosiSoft.net

* requires an internet connection



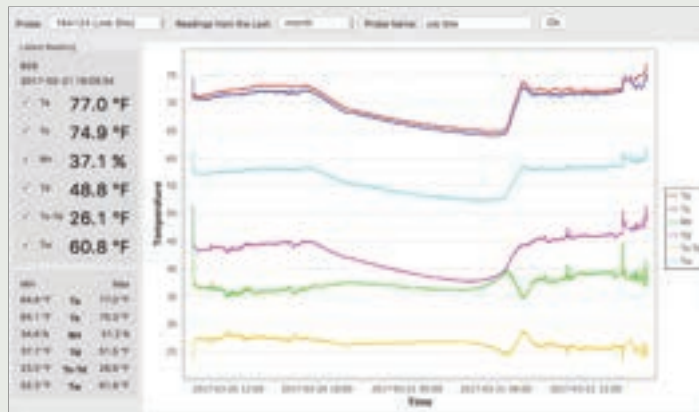
Receive email alerts
when readings exceed
pre-defined parameters



Access your data
from any web-
connected
device.



PosiSoft Desktop software includes the PosiTector DPM Monitor feature for continuous charting of readings from one or more dew point meters. PosiTector DPM Monitor refreshes data from PosiSoft.net once every minute.



					
Probe Description	Integral Probe with Direct Contact Surface Temperature Sensor	Integral Probe with Infrared Surface Temperature Sensor	Integral Probe with K-type Cabled Surface Temperature Sensor	Integral Probe with Wind Speed Sensor	Cabled Probe with 1/2" NPT Threads
Measured/Calculated Parameters	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature	Surface Temperature Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature Surface Temperature minus Dew Point Temperature Wind Speed	Air Temperature Wet Bulb Temperature* Relative Humidity Dew Point Temperature
Ordering Guide					
Standard Body and Probe	DPM1	DPMIR1	DPMS1	DPMA1	DPMD1
Advanced Body and Probe	DPM3	DPMIR3	DPMS3	DPMA3	DPMD3
Probe only	PRBDPM	PRBDPMIR	PRBDPMS	PRBDPMA	PRBDPMD

*Wet Bulb Temperature displayed/recorded on PosiTector Advanced (3) models only

ALL GAGES COME COMPLETE with environmental sensors, protective rubber holster, wrist strap, 3 AAA batteries, instructions, protective carrying case (DPM/DPMIR/DPMA/DPMD), hard shell carrying case (DPMS), protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two year warranty.

***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.

Conforms to ISO 8502-4,
BS 7079-B4, ASTM D3276,
IMO PSPC, SSPC-PA7 and
US Navy NSI 009-32.



Hot-wire anemometer with your choice of wind speed measurement units — m/s, km/h, mph, ft/s, ft/m, knots. DPM A models only.



PosiTector DPM A shown with Auto rotating display with Flip Lock.



PosiTector DPM D includes 1/2" NPT threads for insertion into pipes (max 100 psi).



PosiTector DPM IR probe includes a non-contact infrared surface temperature sensor.



Analyze Readings using a web browser from anywhere — jobsite or head office.

Rugged Features...

Sealed USB Port
for communicating
with a PC or Mac

Weatherproof, dustproof,
and shockproof



2.8" impact resistant
color touchscreen display

Auto rotating display with
Flip Lock and
on-screen help

Ergonomic design with
durable rubberized grip

Redesigned keypad
for quick navigation

Sealed connector protects
probe from water and
dust intrusion

Field-replaceable air
temperature and relative
humidity sensor (DPM1,
DPM3, PRBDPM only)

Built-in thermocouple or infrared
surface temperature sensor



PosiTector® DPM L

Dew Point Meter Logger

Magnetic probe attaches to steel structures
for monitoring climatic conditions

- For use with PosiTector Advanced gage bodies and Apple/Android smart devices
- Environmentally sealed enclosure—meets or exceeds IP65
- Records climatic conditions at user selected time intervals

For more information visit www.defelsko.com/DPML



Specifications	Range	Accuracy	Resolution
Surface Temperature	-40° to 80° C	± 0.5° C	0.1° C
	80° to 190° C	± 1.5° C	
	-40° to 175° F	± 1° F	0.1° F
	175° to 375° F	± 3° F	
Infrared Surface Temperature ¹	-70° to 380° C	± 1° C + 1% ²	0.1° C
	-94° to 716° F	± 1.8° F + 1% ²	0.1° F
Air Temperature	-40° to 80° C	± 0.5° C	0.1° C
	-40° to 175° F	± 1° F	0.1° F
Humidity	0 to 100%	± 3%	0.1%
Wind Speed ³	0 to 20 m/s	± 3% Full Scale + least significant digit	0.1 m/s
	0 to 44 mph		0.1 mph
Dew Point	-60° to 80° C	± 3° C ⁴	0.1° C
	-76° to 175° F	± 5.4° F ⁴	0.1° F

1. DPM IR models only

2. At 23° C (73° F) ambient

3. DPM A models only

4. dependent on RH. See www.defelsko.com/TdAccuracy for more information.

PosiTector DPM IR Specifications

Distance to Spot Ratio (D:S)	4:1
Emissivity	Adjustable
Response Time	<500 ms (95% response)

Options

PosiTector Probes

PosiTector body accepts all PosiTector DPM, IRT, 6000, 200, RTR, SPG, SST, SHD, BHI, GLS, and UTG probes easily converting from a dew point meter to a coating thickness gage, surface profile gage, soluble salt tester, hardness tester, gloss meter, or ultrasonic wall thickness gage.



Bluetooth™ Printer receives data from Advanced Models

AC Power Kit for continuous operation—works in any country

Additional K-type Sensors for use with the PosiTector DPMS only

Hand-held Surface Temperature Probe

- for spot checking hard-to-reach surfaces

Liquid Temperature Probe

- general purpose probe with stainless steel shaft

PosiTector® Inspection Kits



Select from 24 pre-configured inspection kits or customize your own from a wide selection of gage bodies and probes.



KITF3 Shown



KITF3RT Shown

Each Pre-Configured Kit Contains:

- PosiTector Gage Body—Standard or Advanced
- PosiTector 6000 Coating Thickness Probe—select from a variety of measurement ranges and probe styles
- PosiTector DPM Environmental Probe
- Surface Profile Instrument—PosiTector SPG Surface Profile Probe or Testex Digital Micrometer kit

DeFelsko®
The Measure of Quality



PosiTector®
SmartLink™
Compatible

Select from 24 pre-configured inspection kits or build your own from the available probes. Each pre-configured kit includes:

- PosiTector Gage Body—Standard or Advanced
- PosiTector 6000 Coating Thickness Probe—select from a variety of measurement ranges and probe styles
- PosiTector DPM Environmental Probe
- Surface Profile Instrument—Testex Digital Micrometer Kit or PosiTector SPG Surface Profile Probe

Select Standard or Advanced Features

Standard Models

- Storage of 1,000 readings—stored readings can viewed or downloaded

Advanced Models

- Storage of 250,000 readings in up to 1,000 batches and sub-batches
- Touchscreen keyboard 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.
- Store thickness, profile, environmental, wall thickness, hardness, gloss, and salt contamination measurements in individual batches

For a complete comparison visit www.defelsko.com/kits

Select Coating Thickness Probe

Uses magnetic and eddy current principles to measure coating thickness on both ferrous and non-ferrous metals. Select from a variety of measurement ranges and probe styles.

Advanced models include

- **3 Scan Modes**—increase measurement speed to 180+ readings per minute
- SSPC-PA 2, ISO 19840, and IMO PSPC 90:10 features determine if film thickness over a large area conforms to user-specified min/max levels

PosiTector Dew Point Meter Probe (PRBDPM)

Measure and record climatic conditions including: relative humidity (%RH), air temperature, surface temperature, dew point temperature, and the difference between surface and dew point temperatures (Delta)

Advanced models include

- Enhanced Auto Log mode for up to 8 months of battery life
- Trend Charts graph readings in real-time

Surface Profile Instrument

Measure and record the peak-to-valley surface profile height resulting from abrasive blast cleaning. Select from PosiTector SPG Surface Profile Probe or Testex Digital Micrometer Kit

Testex Digital Micrometer Kit (RTKIT)

Uses Testex Press-O-Film Replica Tape to create a replica of the blasted surface which can be measured using a digital spring micrometer.

Includes three cartons of replica tape—Coarse, X-Coarse, and X-Coarse Plus, and two burnishing tools (High Accuracy and Legacy).

PosiTector SPG Surface Profile Probe (PRBSPG)

Uses a digital depth micrometer fitted with a fine pointed probe to measure and record peak to valley surface profile heights in preparation for the application of coating.

Advanced models include **SmartBatch™** allowing entry of user-defined parameters for quick statistical analysis to comply with standards such as ASTM D4417 and SSPC PA-17.

Ordering Guide

Pre-Configured Inspection Kits with Testex Digital Micrometer Kit

Inspection Kit	PosiTector Body	Coating Thickness Probe
KITF1RT	Standard	PosiTector 6000 F
KITFS1RT		PosiTector 6000 FS
KITFT1RT		PosiTector 6000 FT
KITFTS1RT		PosiTector 6000 FTS
KITFN1RT		PosiTector 6000 FN
KITFNS1RT		PosiTector 6000 FNS
KITF3RT	Advanced	PosiTector 6000 F
KITFS3RT		PosiTector 6000 FS
KITFT3RT		PosiTector 6000 FT
KITFTS3RT		PosiTector 6000 FTS
KITFN3RT		PosiTector 6000 FN
KITFNS3RT		PosiTector 6000 FNS

Pre-Configured Inspection Kits with PosiTector SPG Surface Profile Probe

Inspection Kit	PosiTector Body	Coating Thickness Probe
KITF1	Standard	PosiTector 6000 F
KITFS1		PosiTector 6000 FS
KITFT1		PosiTector 6000 FT
KITFTS1		PosiTector 6000 FTS
KITFN1		PosiTector 6000 FN
KITFNS1		PosiTector 6000 FNS
KITF3	Advanced	PosiTector 6000 F
KITFS3		PosiTector 6000 FS
KITFT3		PosiTector 6000 FT
KITFTS3		PosiTector 6000 FTS
KITFN3		PosiTector 6000 FN
KITFNS3		PosiTector 6000 FNS

Custom Inspection Kits

Build your own Inspection Kit from a selection of gage bodies and probes to suit your needs.

- Coating Thickness
- Surface Profile
- Environmental Conditions
- Hardness
- Salt Contamination
- Ultrasonic Wall Thickness
- Gloss



PosiTector® **RTRH**

Replica Tape Reader

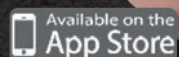
Measures and records surface profile parameters using replica tape



For use with Testex® Press-O-Film®
Replica Tape



DeFelsko®
The Measure of Quality



PosiTector®
SmartLink
Compatible



Simple

- Measures surface profile height using replica tape in accordance with ASTM D4417, ISO 8503-4, and NACE SP0287
- Large 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- On-gage help explains menu items at the touch of a button
- RESET feature instantly restores factory settings

Durable

- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- Rugged indoor/outdoor instrument—ideal for field or shop use
- Ergonomic design with durable rubberized grip
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

Accurate

- Simply select the appropriate replica tape grade to automatically apply the appropriate conversion factor and subtract the 50 μ m (2 mil) backing thickness
- Certificate of Calibration showing traceability to PTB included
- Conforms to national and international standards including ISO and ASTM

Versatile

- PosiTector body accepts all PosiTector RTR, SPG, 6000, 200, DPM, IRT, SST, SHD, BHI, GLS, and UTG probes easily converting from a surface profile gage to a coating thickness gage, dew point meter, soluble salt tester, hardness tester, gloss meter, or ultrasonic wall thickness gage
- Selectable display languages
- Auto rotating display with Flip Lock

Powerful

- Continually displays/updates average, standard deviation, min/max, and number of readings while measuring
- Screen Capture—save 100 screen images for record keeping and review
- Instant-on feature quickly powers up the gage if recently powered down
- Over 20 hours of continuous operation with 3 AAA batteries
- 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.
- Every stored measurement is date and time stamped
- Includes PosiSoft suite of software for viewing and reporting data



Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

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

Advanced Models

Includes ALL features as shown on left plus...

- Storage of 250,000 readings from multiple probes in up to 1,000 batches
- Live graphing of measurement data
- 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.

For a complete comparison of the Standard and Advanced features visit www.defelsko.com/rtr

PosiTector SmartLink™

- Wirelessly connect PosiTector RTR H probes to your smart device
- Turns your cell phone or tablet into a virtual PosiTector gage
- Includes free mobile app



Ordering Guide

Standard Model	RTRH1
Advanced Model	RTRH3
Probe Only	PRBRTRH

For information on measuring common 2D/3D profile parameters such as Ra, Rz, Sq, Spd and more with the **PosiTector RTR 3D** visit www.defelsko.com/RTR3D

Peak Height (H_L) Specifications

Range	20–115 μ m (0.8–4.5 mils)
Accuracy	$\pm 5 \mu$ m (± 0.2 mils)
Resolution	1 μ m (0.1 mils)

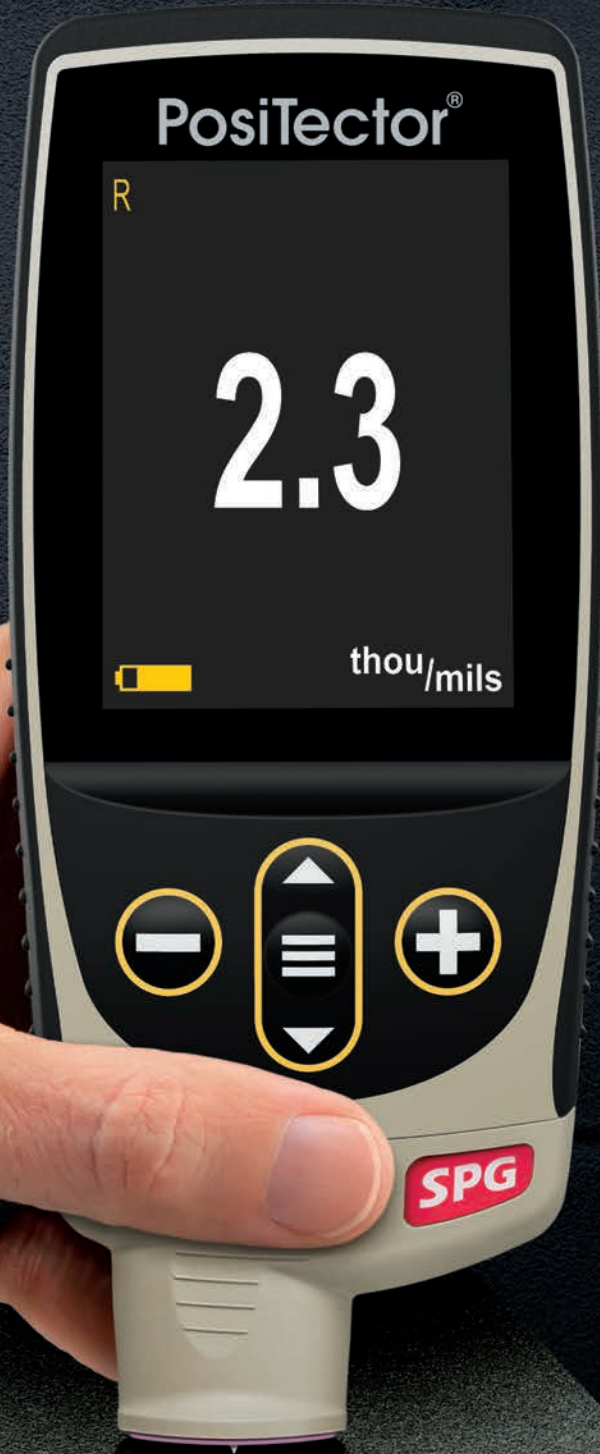
ALL GAGES COME COMPLETE with high accuracy burnishing tool, 5 cleaning cards, check shim(s), surface cleaning putty, protective rubber holster, wrist strap, 3 AAA alkaline batteries, instructions, protective carrying case, protective lens shield, Long Form Certificate of Calibration traceable to PTB, USB cable, PosiSoft Software, two (2) year warranty on body and probe.



Conforms to ASTM D4417, ISO 8503-5, NACE RP287, SSPC-PA 17, SSPC-SP5, SP6, SP10, SP11-87T and others.

PosiTector® *SPG* Series

Surface Profile Gages for blasted steel,
textured coatings and concrete



*PosiTector SPG OS surface profile
probe for outside diameters*

DeFelsko®
The Measure of Quality



Available on the
App Store



PosiTector®
SmartLink™
Compatible

 **Bluetooth®**

PosiTector® *SPG Series*

All Gages Feature...

Simple

- Fast measurement rate of over 50 readings per minute—ideal for quickly and accurately measuring large surface areas
- Large 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- On-gage help explains menu items at the touch of a button
- RESET feature instantly restores factory settings

Durable

- Alumina wear face and tungsten carbide tip for long life and continuous accuracy—field replaceable tips
- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- Ergonomic design with durable rubberized grip
- Rugged, indoor/outdoor instrument—ideal for field or shop use
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

Accurate

- Certificate of Calibration showing traceability to PTB included
- Built-in temperature compensation ensures measurement accuracy
- Glass zero plate and metal shim included
- Conforms to national and international standards including ASTM

Versatile

- PosiTector body accepts all PosiTector SPG, RTR, 6000, 200, DPM, IRT, SST, SHD, BHI, and UTG probes easily converting from a surface profile gage to a coating thickness gage, dew point meter, soluble salt tester, hardness tester, or ultrasonic wall thickness gage
- Cabled probes available for blasted steel, textured coatings, and concrete profile
- Auto rotating display with Flip Lock

Powerful

- Continually displays/updates average, standard deviation, min/max, and number of readings while measuring
- Screen Capture—save 100 screen images for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- Instant-on feature quickly powers up the gage if recently powered down
- 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.
- Every stored measurement is date and time stamped
- Includes PosiSoft suite of software for viewing and reporting data

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



PosiSoft Desktop

Powerful desktop software for downloading, viewing, printing, and storing measurement data. Includes customizable, templated PDF Report Generator. No internet connection required.

Standard Models

Includes ALL features as shown on left plus...

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

Advanced Models

Includes ALL features as shown on left plus...

- Storage of 250,000 readings from multiple probes in up to 1,000 batches and sub-batches
- SmartBatch™ allows entry of user-defined parameters and criteria for quick statistical analysis to comply with standards such as ASTM D4417 and SSPC PA-17
- Live graphing of measurement data
- 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.

PosiTector® *SmartLink™* Compatible

- Wirelessly connect PosiTector SPG probes to your smart device
- Turns your cell phone or tablet into a virtual PosiTector gage
- Includes free mobile app



PosiSoft.net

A web-based application offering secure, centralized management of readings. Includes customizable, templated PDF Report Generator. Access your data from any web-connected device.



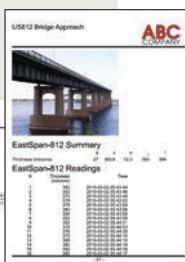
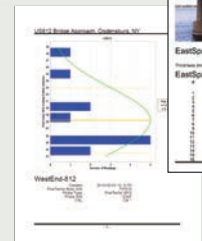
PosiTector App

Mobile app connects PosiTector Advanced instruments, the PosiTector SmartLink and the PosiTest AT-A to your iOS or Android smart device.



PosiSoft USB Drive

A simple gage interface to retrieve data in a manner similar to USB flash drives, cameras, or digital audio players. No software to install or internet connection required.



Select from Five Models

for Blasted Steel



PosiTector SPG
with integral probe shown

Range	0–500 μm 0–20 mils	
	Accuracy $\pm(5 \mu\text{m} + 5\%)$ $\pm(0.2 \text{ mils} + 5\%)$	
Tip	Angle	60°*
	Radius	50 μm (2 mils)

*30° tips available for conformance to Australian standard AS 3894.5-C

Ideal for measuring the surface profile of steel cleaned by abrasive blast

Integral Probe — SPG

Integral probe ideal for one-handed operation

Cabled Probe — SPG S

Probe mounted on a 1m/3ft cable for enhanced ergonomics and access to hard-to-reach areas



PosiTector SPG S
with cabled probe shown

Cabled Probe for Convex Surfaces — SPG OS

Probe mounted on a 1m/3ft cable with a V-groove sleeve ideal for measuring convex surfaces such as tanks and pipes

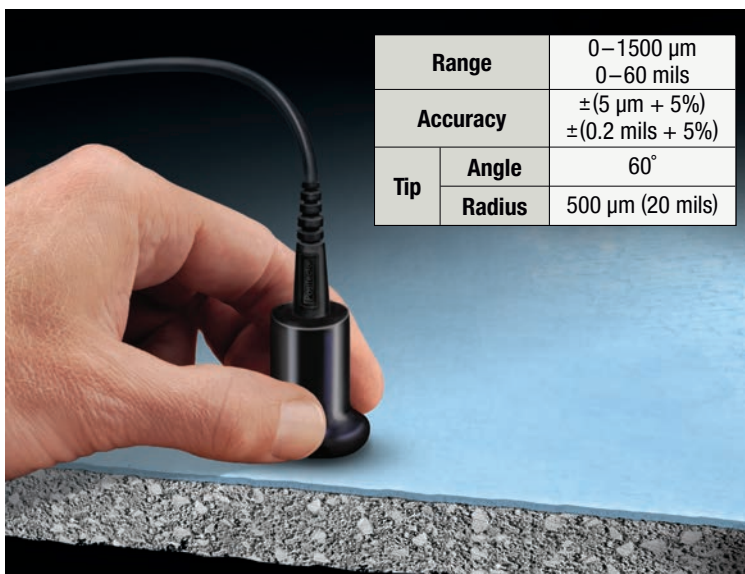
- Ideal for measuring on flat and curved surfaces with an OD greater than 3mm (0.125")
- Proprietary OD Mode analyzes multiple measurements for greater accuracy on convex surfaces
- Normal Mode is ideal for flat surfaces, and operates similarly to the PosiTector SPG and SPGS probes
- Self-leveling probe foot ensures perpendicularity to the part being measured
- Uses the proven V-groove design found on PosiTector 6000 coating thickness probes to stabilize the probe on any diameter
- Available Large V-groove Adaptor for enhanced stability on 30-45cm (12-18") OD pipes



for Textured Coatings

Cabled Probe for Textured Coatings — SPG CS

Ideal for measuring the surface profile of textured coatings and other surface profile applications

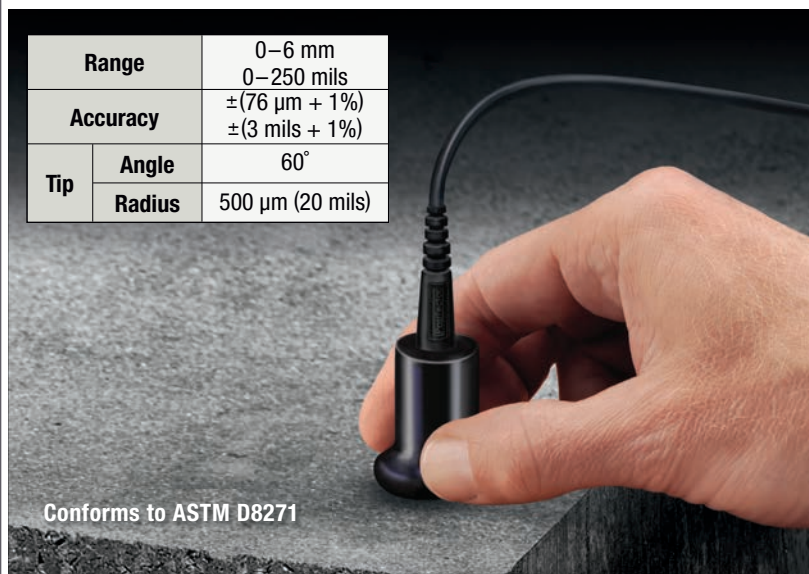


Range	0–1500 μm 0–60 mils	
	Accuracy $\pm(5 \mu\text{m} + 5\%)$ $\pm(0.2 \text{ mils} + 5\%)$	
Tip	Angle	60°
	Radius	500 μm (20 mils)

for Concrete Profile

Cabled Probe for Concrete Profile — SPG TS

Ideal for measuring the surface profile of concrete created by blasting, scarifying, grinding, acid etching and more



Range	0–6 mm 0–250 mils	
	Accuracy $\pm(76 \mu\text{m} + 1\%)$ $\pm(3 \text{ mils} + 1\%)$	
Tip	Angle	60°
	Radius	500 μm (20 mils)

Conforms to ASTM D8271

Rugged Features...

Sealed USB Port
for communicating
with a PC or Mac

Weatherproof, dustproof,
and shockproof



2.8" impact resistant
color touchscreen display

Auto rotating display with
Flip Lock and
on-screen help

Ergonomic design with
durable rubberized grip

Redesigned keypad
for quick navigation

Sealed connector protects
probe from water and
dust intrusion

Alumina wear face
and tungsten carbide
tip for long life and
continuous accuracy

**Integral Probe
shown**

All probes feature a durable Alumina
wear face and tungsten carbide tip
for long life and continuous accuracy.
Cabled (SPG S) probe shown.

ALL GAGES COME COMPLETE with glass zero
plate, metal check shim, protective rubber
holster, wrist strap, 3 AAA alkaline
batteries, instructions, protective
carrying case, protective lens shield,
Long Form Certificate of Calibration
traceable to PTB, USB cable, PosiTector
Software, two (2) year warranty on
body and probe.

***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.*

Conforms to ASTM D4417-B, ASTM D8271 (SPG TS only), AS 3894.5-C
(with optional 30° tip), U.S. Navy NSI 009-32, SANS 5772 and others

Ordering Guide					
Application	Blasted Steel		Convex Surfaces	Textured Coatings	Concrete Surface Profile
Probe Type	Integral	Cabled			
Standard	SPG 1	SPG S1	SPG OS1	SPG CS1	SPG TS1
Advanced	SPG 3	SPG S3	SPG OS3	SPG CS3	SPG TS3
Probe Only	PRBSPG	PRBSPGS	PRBSPGOS	PRBSPGCS	PRBSPGTS

Options

Certified SPG Standards

to verify the accuracy and operation of surface profile depth micrometers — an important component in fulfilling both ISO and in-house quality control requirements.

- Ideal for use in calibration labs
- Standards consist of 4 sapphire test plates mounted in a precision ground steel base and supplied in a hard shell case
- Sapphire test plates are individually serialized for traceability to PTB — includes a Certificate of Calibration
- Certified and labeled in both Metric and Imperial units



Order Code	Approximate Depth				Accuracy
	Plate 1	Plate 2	Plate 3	Plate 4	
STDSPG	0	50 µm (2 mils)	175 µm (7 mils)	500 µm (20 mils)	± 1.25 µm (± 0.05 mils)

COMES COMPLETE with a precision ground steel base, 4 sapphire test plates, sample certificate of accuracy, hard shell carrying case, and a Certificate of Calibration traceable to PTB.

PosiTector Probes

PosiTector body accepts all PosiTector SPG, RTR, 6000, 200, DPM, IRT, SST, SHD, BHI, and UTG probes easily converting from a surface profile gage to a coating thickness gage, dew point meter, soluble salt tester, hardness tester, gloss meter, or ultrasonic wall thickness gage



Large V-groove Adaptor

for enhanced stability on 30-45cm (12-18") OD pipes (for SPG OS only)

Replacement Non-Certified Metal Check Shim and Glass Zero Plate

provides a quick accuracy check of the instrument and allows the user to perform practice measurements

Replacement Tungsten Carbide Probe Tips

two angles available — 60° or 30°, field replaceable

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



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 $\mu\text{g}/\text{cm}^2$)
- 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...

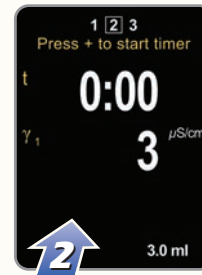
- **NEW** Storage of 250,000 readings from multiple probes in up to 1,000 batches and sub-batches
- **NEW** Touchscreen keyboard for quickly renaming batches, adding notes, and more
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- **Bluetooth[®] 4.0 Technology**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



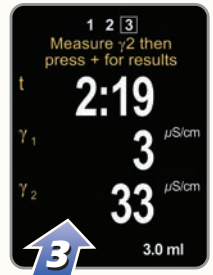
Easy 1-2-3 Bresle Test



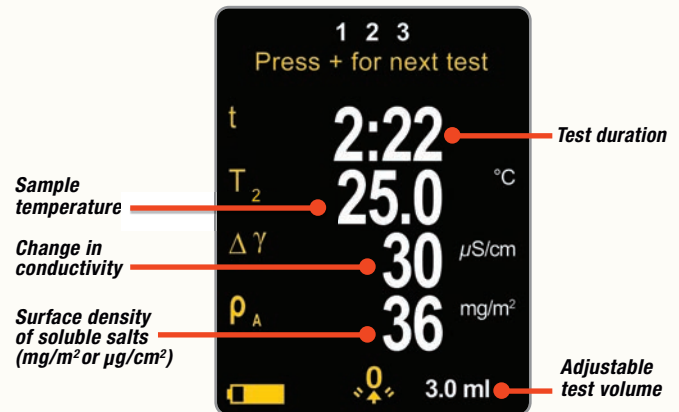
Reference...
Fill the syringe with DI water. Take background reading.



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



Record...
Withdraw, inject into PosiTector SST.



PosiSoft[®]

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 ρ_A (mg/m^2)	13	38.3	3.8	29	42

Readings

#	γ	γ_1	$\Delta\gamma$	pA	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	26.6	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 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



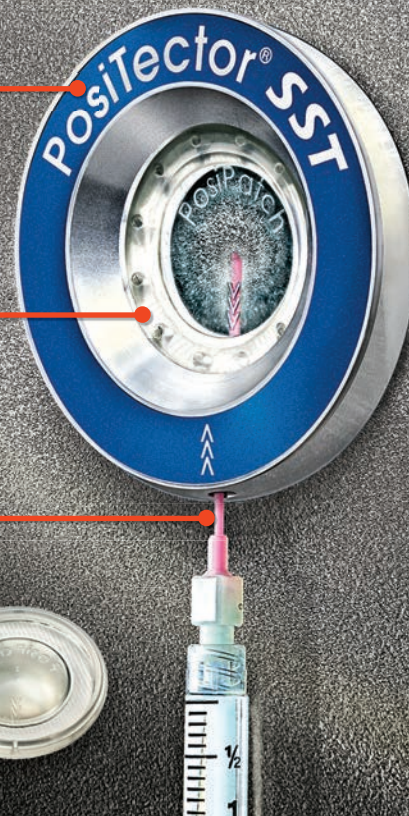
PosiPatch™ Advantage...

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 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-peel tab and low-tack adhesive for easy removal



Specifications

Test Area*	1,250 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	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	Protective carrying case (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 $\mu\text{S/cm}$, 0 – 6000 mg/m^2 , 0.0 – 600.0 $\mu\text{g/cm}^2$
Resolution ¹	1 $\mu\text{S/cm}$, 1 mg/m^2 , 0.1 $\mu\text{g/cm}^2$
Accuracy	$\pm 2 \mu\text{S/cm}$ (0 – 200 $\mu\text{S/cm}$) $\pm 10 \mu\text{S/cm}$ (>200 – 600 $\mu\text{S/cm}$) $\pm 20 \mu\text{S/cm}$ (>600 – 1500 $\mu\text{S/cm}$)
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 $\mu\text{S/cm}$ (0 – 200 $\mu\text{S/cm}$)

*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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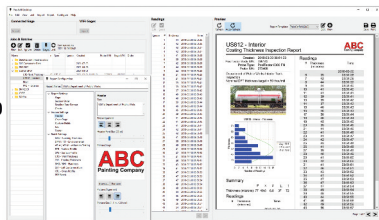
PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

PosiSoft Desktop — PC/Mac

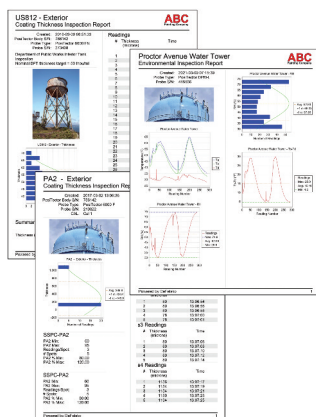
Powerful desktop software for downloading, archiving, and reporting measurement data.

- 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

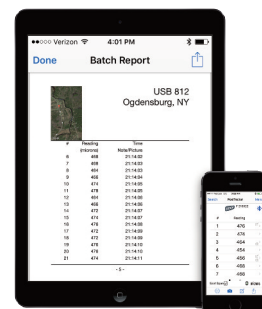
Create pre-defined batches with onscreen text and image prompts for each reading and upload to PosiTector 6000, 200, and UTG gages (*Advanced models only*).

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

PosiTector App — iOS/Android

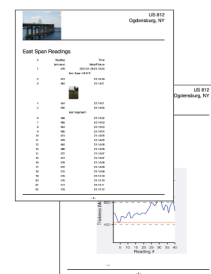
Fully-featured mobile app that connects to the PosiTector SmartLink, PosiTector Advanced gages, and the PosiTest AT-A.

- 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

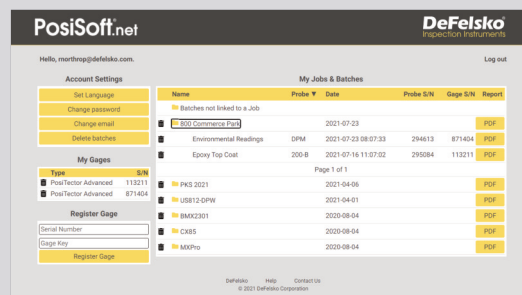
Secure storage of measurement data in the cloud.

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

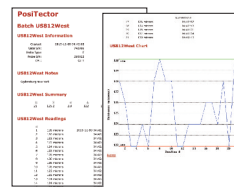
Ideal for...

- 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.



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