

# PosiTector<sup>®</sup> **SPG** Series

Surface Profile Gages for blasted steel,  
textured coatings and concrete



**PosiTector SPG OS** surface profile probe for outside diameters

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# 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
- **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
- RESET feature instantly restores factory settings

### Durable

- Alumina wear face and tungsten carbide tip for long life and continuous accuracy—field replaceable tips
- **NEW** Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- **NEW** 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
- **NEW** Auto rotating display with Flip Lock

### Powerful

- Continually displays/updates average, standard deviation, min/max, and number of readings while measuring
- **NEW** Screen Capture—save 100 screen images for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- **NEW** Instant-on feature quickly powers up the gage if recently powered down
- **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.
- 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...**

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

### Advanced Models

**Includes ALL features as shown on left plus...**

- **NEW** 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
- **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.

## 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.



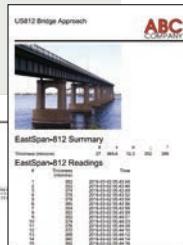
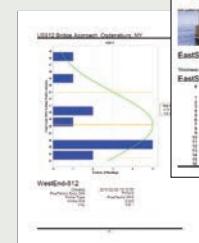
### PosiTector App

Mobile app connects PosiTector Advanced instruments, the PosiTector SmartLink and the PosiTector 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



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

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

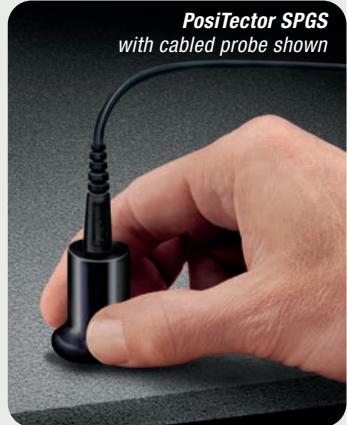
Ideal for measuring the surface profile of steel cleaned by abrasive blast

### 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



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



Conforms to ASTM D8271

## Rugged Features...



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, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to PTB, USB cable, PosiSoft 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, 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