

# PosiTector® 6000 Series

Coating Thickness Gages for  
**ALL** Metal Substrates



*Includes protective  
rubber holster*



**3 Powerful  
Scan Modes**

**180+ readings/minute**

*Advanced models only*

**DeFelsko®**  
The Measure of Quality



Available on the  
App Store



PosiTector®  
**SmartLink**  
Compatible



# PosiTector® 6000 Series

## All Gages Feature...

### Simple

- Fast measurement speed—60+ readings per minute. Enhanced FAST mode—90+ readings per minute for quick inspection.
- Ready to measure—no adjustment required for most applications
- **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
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

### Durable

- **NEW** Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- **NEW** Ergonomic design with durable rubberized grip
- Wear-resistant probe tip
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

### Accurate

- Certificate of Calibration showing traceability to NIST or PTB included
- Built-in temperature compensation ensures measurement accuracy
- Hi-RES mode increases displayed resolution for precision applications
- Conforms to national and international standards including ISO and ASTM

### Versatile

- PosiTector body accepts all PosiTector 6000, 200, DPM, IRT, RTR, SPG, SST, SHD, BHI, and UTG probes easily converting from a coating thickness gage to a dew point meter, surface profile gage, soluble salt tester, hardness tester, or ultrasonic wall thickness gage
- Multiple calibration adjustment options including zero, 1-point, 2-point, and ISO 19840 correction factors
- Selectable display languages
- **NEW** Auto rotating display with Flip Lock
- Extended cables available (up to 75 m/250 ft) for remote measuring

### 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 (see far right)

## Probes available for a variety of applications



For measuring paint, powder, etc.  
on all metals...



...and for measuring galvanizing, plating,  
anodizing, and more.

### 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
- Live graphing of measurement data
- **NEW** Prompted Batch Mode—create pre-defined batches with on-screen text and image prompts for each reading (see far right)
- **3 Scan Modes**—increase measurement speed to 180+ readings per minute
  - **Normal** – take continuous readings without lifting the probe
  - **Statistics** – take continuous readings and record average, standard deviation, min/max thickness and number of readings while scanning
  - **Limited Count Average** – take continuous readings up to a user-specified count. The gage displays and records the average of the readings.
- **NEW** Touchscreen keyboard for quickly renaming batches, adding notes, and more
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions
- **NEW** SSPC-PA 2, ISO 19840, and IMO PSPC 90:10 modes help users comply with standards by prompting for max/min specifications, displaying the necessary readings, and automatically calculating statistics with a pass/fail result
- 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.
- **NEW** Connect a Bluetooth barcode scanner or keyboard to instantly annotate readings and batches

### PosiTector SmartLink™

- Wirelessly connect PosiTector 6000 probes to your smart device

**Select from a variety of measurement ranges and probe styles**

(see ordering guide on back page)



**Removable Probes** can be detached and replaced with any one of our wide variety of probes





# 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

Quality high-flex  
cable and strain relief

Stainless steel probe  
with knurled finger grip

Strong wear-resistant  
ruby-tipped probe



**Advanced Model  
shown with Prompted  
Batch Mode enabled**



**All Regular Cabled Probes  
are suitable for underwater use**



**Duplex Probe** measures individual layer thicknesses  
of zinc and paint in a duplex coating system



**Xtreme® Probes** with Alumina wear faces  
and braided cables for hot/rough surfaces



**Thick Probe** series for thick protective  
coatings: epoxy, rubber, fireproofing, and  
more



**Microprobe** series for small parts  
and hard-to-reach areas

# 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.

## NEW Prompted Batch Mode

Create pre-defined batches with onscreen text and image prompts for  
each reading and upload to PosiTector 6000 Advanced models only.  
Ideal for ensuring a consistent measurement pattern for repetitive jobs.

## 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.



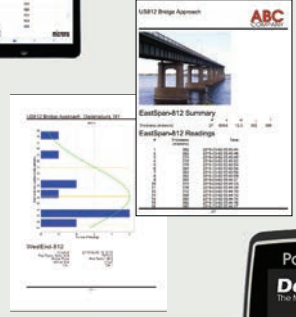
## PosiTector App

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.



## Award Winning Compatibility!

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



		Our most popular Integral and Cabled probe models		90° Regular probe for tight spots	Ideal for duplex coating systems	Ideal for hot and rugged applications	Ideal for anodized aluminum	Microprobes – Our smallest probes for small parts or hard-to-reach areas				Integral and Cabled probes for thick protective coatings; epoxy, rubber, intumescent fireproofing and more							
FERROUS	Standard	F1	FS1	FRS1		FXS1 <sup>1</sup>		F0S1	F45S1	F90S1	F90ES1	FT1	FTS1	FTRS1	FHXS1 <sup>1,2</sup>	FKS1	FJS1	FLS1	
	Advanced	F3	FS3	FRS3		FXS3 <sup>1</sup>		F0S3	F45S3	F90S3	F90ES3	FT3	FTS3	FTRS3	FHXS3 <sup>1,2</sup>	FKS3	FJS3	FLS3	
NON-FERROUS	Standard	N1	NS1	NRS1			NAS1	N0S1	N45S1	N90S1					NKS1				
	Advanced	N3	NS3	NRS3			NAS3	N0S3	N45S3	N90S3					NKS3				
COMBINATION	Standard	FN1	FNS1	FNRS1	FNDS1 <sup>3</sup>								FNTS1						FNGS1 <sup>4</sup>
	Advanced	FN3	FNS3	FNRS3	FNDS3 <sup>3</sup>								FNTS3						FNGS3 <sup>4</sup>
Range		0–60 mils 0–1500 µm			0–80 mils 0–2000 µm		Ferrous: 0–45 mils and 0–1150 µm Non-Ferrous: 0–25 mils and 0–625 µm				0–250 mils 0–6 mm		0–400 mils 0–10,000 µm		0–500 mils 0–13 mm		0–1.0 in. 0–25 mm	0–1.5 in. 0–38 mm	0–2.5 in. 0–63.5 mm
Accuracy <sup>5</sup>		±(0.05 mil + 1%) 0-2 mils ±(0.1 mil + 1%) >2 mils  ±(1 µm + 1%) 0-50 µm ±(2 µm + 1%) >50 µm					±(0.02 mil + 1%) 0-4 mils ±(0.1 mil + 3%) >4 mils  ±(0.5 µm + 1%) 0-100 µm ±(2 µm + 3%) >100 µm				±(0.5 mil + 1%) 0-100 mils ±(0.5 mil + 3%) >100 mils  ±(0.01 mm + 1%) 0-2.5 mm ±(0.01 mm + 3%) >2.5 mm		±(0.1 mil + 3%)  ±(2 µm + 3%)		±(1 mil + 3%)  ±(0.02 mm + 3%)		±(0.01 in. + 3%)  ±(0.2 mm + 3%)		
Matching DeFelsko Calibration Standards		STDS1 STDA1			STDS4		STDS2 STDA2				STDP1		STDP7		STDP5		STDP2	STDP8	

**Ferrous probes** measure non-magnetic coatings on ferrous metals. **Non-Ferrous probes** measure non-conductive coatings on non-ferrous metals. 1) **FXS/FHXS Xtreme probe series** with Alumina wear face and braided cable — ideal for rough or hot surfaces up to 250° C (500° F). 2) **FHXS probe** measures non-conductive coatings on steel only. 3) See website for full **FNDS probe** accuracy information. 4) **FNGS probe** measures non-conductive coatings on all metals. 5) Accuracies are stated as a fixed value plus a percentage of the gage's actual reading.

## Probe Details (All probe details can be found online at [www.defelsko.com/p6000/probes](http://www.defelsko.com/p6000/probes))

REMOVABLE INTEGRAL	REGULAR, FNDS & FTS	FRS & FTRS	F0S & N0S WITH ADAPTER	F45S & N45S	F90S, F90ES & N90S
 Side View 21mm / 0.8"	 30mm / 1.2" Ø16mm / 0.6"	 50mm / 2" 28mm / 1.1" Ø16mm / 0.6"	 Ø10mm / 0.4" 64mm / 2.5" 25mm / 1" Ø5mm / 0.2" Quick Release Adapter for 0° Probe 56mm / 2.2" Ø14mm / 0.6" 10mm / 0.4"	 Ø10mm / 0.4" 58mm / 2.3" 18mm / 0.7" 12mm / 0.5" 12mm / 0.5"	 Ø10mm / 0.4" 58mm / 2.3" (F90S, N90S) 350mm / 13.75" (F90ES, not to scale) 16mm / 0.6" 12mm / 0.48" 15mm / 0.6" Ø5mm / 0.2"

**ALL GAGES COME COMPLETE** with precision plastic shim(s), protective rubber holster, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, convenient carrying case, Long Form Certificate of Calibration traceable to NIST or PTB, USB cable, PosiSoft Software, two (2) 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 19840/2178/2360/2808, ASTM B244/B499/D1186/ D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others

## Options

**Coating Thickness Standards**  
to fulfill both ISO and in-house  
quality control requirements

### Probe Foot Rings

Durable Delrin ring allows the  
probe to slide easily while scanning

**Telescopic Probe Extender** for use  
with the PosiTector 6000 FS, NS, FNS,  
FXS, FNDS, NAS and FTS probes.

- Provides up to 124 cm (49") of reach and collapses to 47 cm (18.5") for easy storage

**For a complete list of product features and available options visit [www.defelsko.com](http://www.defelsko.com)**

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