PosiTector® *6000* Series

Coating Thickness Gages for
ALL **Metal Substrates**

PosiTector®

5.4
5.3
5.2
5.1
5.0
4.9

1 6 11 16 21 26

IBeam4   n30

5.06

0 thou/mils

6000

PosiTector®

FN

12.3

thou/mils

6000

WiFi

Available on the
App Store

DeFelsko®

The Measure of Quality

PosiTector® *6000* Series

Gage Selection...

Simple

- Ready to measure—no adjustment required for most applications
- Enhanced one-handed menu navigation
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Wear-resistant probe tip
- Shock-absorbing, protective rubber holster with belt clip
- 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 use on applications that require greater precision
- Conforms to national and international standards including ISO and ASTM

Versatile

- PosiTector body universally accepts all PosiTector 6000, 200, SPG, DPM and UTG probes easily converting from a coating thickness gage to a surface profile gage, dew point meter or ultrasonic wall thickness gage
- Multiple calibration adjustment options including 1 point, 2 point, known thickness, average zero
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip Display enables right-side-up viewing
- Extended cables available (up to 75 m/250 ft) for remote measuring
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Continually displays/updates average, standard deviation, min/max thickness and number of readings while measuring
- Screen Capture—save screen images for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- FAST mode—faster measurement speed for quick inspection
- 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
- Software updates via internet keep your gage current
- Connects to PosiSoft.net *(see far right panel)*

Probes available for a variety of applications

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

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

Select Substrate

- **F** — for ferrous metals (steel and cast iron)
- **N** — for non-ferrous metals (aluminum, copper, etc.)
- **FN** — for all metal substrates—Gage automatically recognizes the substrate and takes a measurement

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

- Monochrome display with transflective technology enhances sunlight readability
- Storage of 250 readings—stored readings can be viewed or downloaded

Advanced Models

Includes ALL features as shown on left plus...

- Hi Contrast reversible color LCD
- Storage of 100,000 readings in up to 1,000 batches and sub-batches
- Onscreen help, real time graphing, picture prompting and more
- Batch annotation—add notes and change batch names with onscreen QWERTY keyboard
- WiFi technology wirelessly synchronizes with PosiSoft.net, downloads software updates and connects with mobile devices for expanded functionality
- Data transfer via USB to a PC or via ✷Bluetooth® Wireless Technology to a PC or printer
- Scan mode—take continuous readings without lifting the probe
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions
- SSPC-PA2 feature determines if film thickness over a large area conforms to user-specified min/max levels
- PSPC 90/10 feature determines if a coating system complies with an IMO performance standard for protective coatings

Select from a variety of measurement ranges and probe styles

(see back page ordering guide)

Heavy-duty, gold-plated *locking connector for industrial environments*

Separate Probe Style

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

Built-in Probe Style

FKS

90°   0°   45°   Regular

Rugged Features...

Sealed USB Port for communicating with a PC or Mac

Water and dust resistant

WEATHERPROOF

Hi resolution color LCD

Scratch/solvent/impact resistant lens

PosiTector®

F 🛜 ⓞ   Cal 1

Section274   n23

506

0↕ microns

Multi-function navigation button

− ⋮ +

Solvent, acid, oil resistant, high grade, industrial strength housing

6000

Advanced Model shown in Memory Mode

Quality high-flex cable and strain relief

Stainless steel probe with knurled finger grip

Strong wear-resistant ruby-tipped probe

All Regular Separate Probes are suitable for underwater use

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

PosiSoft USB Drive Connect to a PC/Mac using the supplied USB cable to access and print stored readings, graphs, photos, notes and screen captures. No software or internet connection required.

PosiSoft.net A web-based application offering secure centralized management of PosiTector readings. Access your data from any web-connected device.

PosiSoft.net by DeFelsko
Home   My Gages   What's New   My Account

where your gage meets the cloud™

35.8

SYNC

PosiSoft.net

35.8

Synchronize, Share, Report, Export, Archive

PosiSoft Software Newly updated version 3.0 desktop software for PC or Mac. Available as a free download.

PosiSoft Mobile Access readings, graphs, capture photos and update annotations using WiFi enabled devices such as tablets, smart phones and computers. (*Advanced models only*)
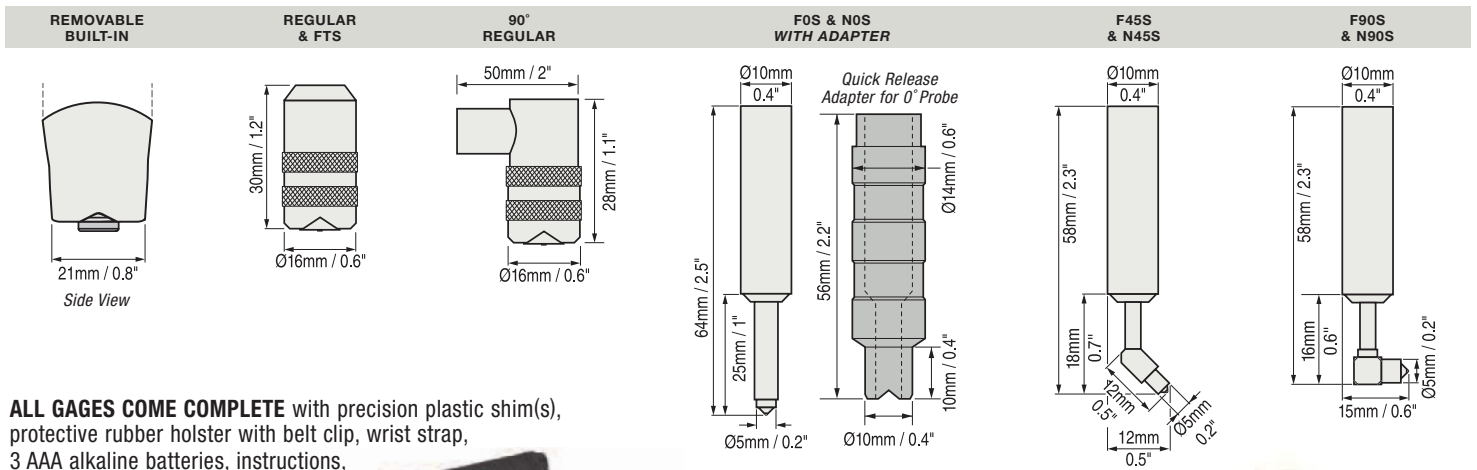
PosiTector   Cal 1

east gate   ±3.1

22.7

microns

Available on the App Store

WiFi

PosiTector
DeFelsko®

PosiTector bodies accept all 6000, 200, SPG, DPM and UTG probes

SPG   DPM

200   UTG   6000

Standard model *shown in Statistics Mode with shock-absorbing, protective rubber holster*

Xtreme™ Probe

FHXS Probe *with Alumina wear face and braided cable for hot or rough surfaces*

78

Flip Display *enables right-side-up viewing*

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

PosiTector® 6000 Series
ORDERING GUIDE

		Our most popular Removable Built-in and Regular Separate probe models		90° Regular probe for tight spots	Ideal for anodized aluminum	Microprobes – Our smallest probes for small parts or hard-to-reach areas			Removable Built-in and Separate probes for thick protective coatings; epoxy, rubber, intumescent fireproofing and more					
FERROUS PROBES	Standard	F1	FS1	FRS1		F0S1	F45S1	F90S1	FT1	FTS1	FHXS1*	FKS1	FLS1	
	Advanced	F3	FS3	FRS3		F0S3	F45S3	F90S3	FT3	FTS3	FHXS3*	FKS3	FLS3	
NON-FERROUS PROBES	Standard	N1	NS1	NRS1	NAS1	N0S1	N45S1	N90S1				NKS1		
	Advanced	N3	NS3	NRS3	NAS3	N0S3	N45S3	N90S3				NKS3		
COMBINATION PROBES	Standard	FN1	FNS1	FNRS1						FNTS1				FNGS1**
	Advanced	FN3	FNS3	FNRS3						FNTS3				FNGS3**
Range		0–60 mils 0–1500 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		0–1.5 inches 0–38 mm	0–2.5 inches 0–63.5 mm
Accuracy†		±(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			STDS2 STDA2				STDP1	STDP7	STDP5		STDP8	STDP8 (included)

Ferrous probes measure non-magnetic coatings on ferrous metals. **Non-Ferrous probes** measure non-conductive coatings on non-ferrous metals. ***FHXS Xtreme probe** with Alumina wear face and braided cable measures non-conductive coatings on steel. Ideal for rough or hot surfaces up to 250° C (500° F). ****FNGS probe** measures non-conductive coatings on all metals.
†*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)

REMOVABLE BUILT-IN	REGULAR & FTS	90° REGULAR	F0S & N0S WITH ADAPTER	F45S & N45S	F90S & N90S

REMOVABLE BUILT-IN: 21mm / 0.8" — Side View

REGULAR & FTS: 30mm / 1.2", Ø16mm / 0.6"

90° REGULAR: 50mm / 2", 28mm / 1.1", Ø16mm / 0.6"

F0S & N0S WITH ADAPTER: Ø10mm 0.4", 64mm / 2.5", 25mm / 1", Ø5mm / 0.2"; Quick Release Adapter for 0° Probe: Ø14mm / 0.6", 56mm / 2.2", 10mm / 0.4", Ø10mm / 0.4"

F45S & N45S: Ø10mm 0.4", 58mm / 2.3", 18mm 0.7", 12mm 0.5", Ø5mm 0.2", 12mm 0.5"

F90S & N90S: Ø10mm 0.4", 58mm / 2.3", 16mm 0.6", Ø5mm / 0.2", 15mm / 0.6"
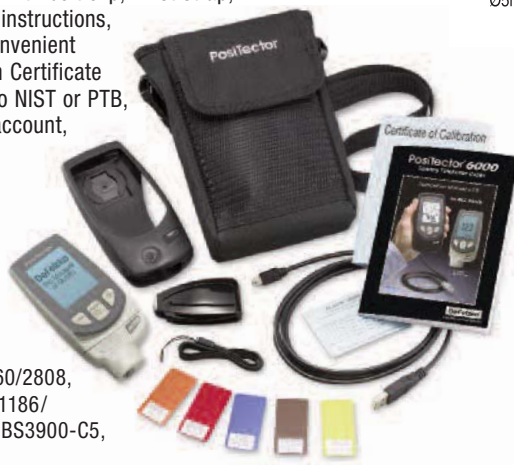
ALL GAGES COME COMPLETE with precision plastic shim(s), protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, convenient carrying case, Long Form Certificate of Calibration traceable to NIST or PTB, USB cable, PosiSoft.net account, two (2) year warranty.

SIZE: 137 x 61 x 28 mm (5.4" x 2.4" x 1.1")

WEIGHT: 140 g (4.9 oz.) without batteries

Conforms to ISO 2178/2360/2808, ISO 19840, ASTM B499/D1186/D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others

Options

Bluetooth Printer receives data from Advanced models

AC Power Kit for continuous operation or battery charging—works in any country

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

Rechargeable Batteries—a set of eneloop NiMH AAA batteries

Extended Cables for underwater or remote measuring. Specify length when ordering.
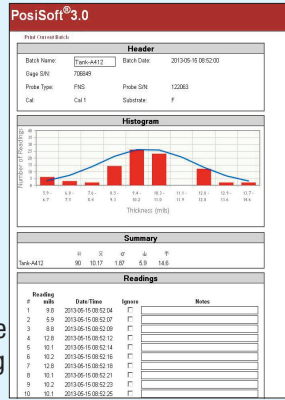
PosiSoft® Solutions
Suite of Software

The PosiSoft suite of software solutions offers 4 FREE ways to view and report your data, ranging from dedicated desktop software for PC and Mac computers to cloud-based PosiSoft.net.

PosiSoft® 3.0 Desktop Software

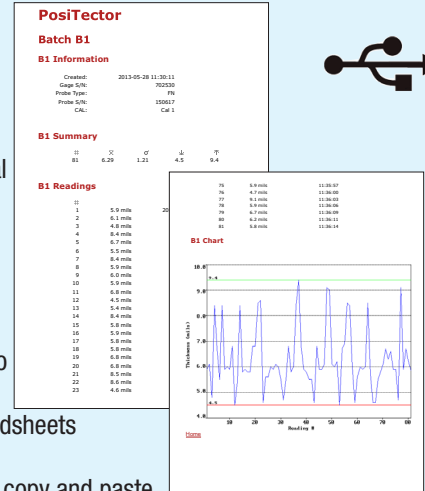Newly updated version 3.0 desktop software for PC or Mac computers

- Import (download) measurement data via USB (all gages) or WiFi (PosiTector Advanced models only)
- Customize reports by adding pictures, logos, screen captures, notes and more
- Measurement data is copied (imported) from the instrument to a user selectable location — ideal for storing and sharing data on a network or cloud-drive
- Create custom layouts using a simple drag and drop Template Design toolbox; save layouts for future use
- Downloaded data is stored in comma-separated text files which can easily be imported into supporting applications such as documents, spreadsheets and databases

PosiSoft® USB Drive

Access your PosiTector as a flash drive

- View and print readings and graphs using universal PC/Mac web browsers or file explorers
- Measurement data is stored in comma-separated text files which can easily be imported into supporting applications such as documents, spreadsheets and databases
- Simple file management - copy and paste data from the PosiTector to a local folder on your computer, network or cloud-drive
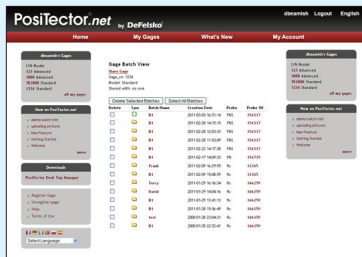
Preformatted HTML reports are stored in the gage.

PosiSoft®.net *(formerly PosiTector.net)*

A cloud-based application offering secure centralized management of PosiTector readings. Access your data from any web-connected device anywhere in the world.

- Synchronize measurement data when connected via USB, Bluetooth or WiFi wireless technology
- Generate reports with graphs, annotations and images
- Share measurement data with authorized users via a secure login from any computer or web-enabled device
- Export data to popular formats such as XML, .CSV (comma-separated values), and CQATK for further analysis
  - Securely stores data in the cloud
  - Synchronize images and batch notes to your PosiTector
  - Compatible with PosiTector SPG/DPM/6000/200/UTG Standard & Advanced instruments
  - Internet connection required

PosiSoft® Mobile

Gage-based software application featured in all PosiTector Advanced instruments. Access readings, graphs, capture photos and update notations using WiFi enabled devices such as tablets, smart phones and computers

- Browse stored measurement data including notes, images, statistics and charts
- Update batch names/notes using your mobile device's keyboard
- Insert images directly into gage batches using your mobile device's camera or image library
- Remotely view the live display of a working PosiTector
- Email data as PDF reports or .CSV comma-separated text files
- Accessible from any WiFi enabled computer or smart device using a standard web browser including PC/Mac, Windows Phone/Mobile, Blackberry, Android, Apple iOS and more

PosiSoft Mobile Manager is a discovery tool that searches your local area WiFi network for WiFi enabled PosiTector Advanced instruments.

- Available for *Apple iOS* and *Android* users

DeFelsko
The Measure of Quality

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