PosiTector® 6000 Series

Coating Thickness Gages for *ALL* Metal Substrates

WiFi

Available on the App Store

DeFelsko®

The Measure of Quality

PosiTector® 6000 Series

All Gages Feature...

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 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.

Gage Selection...

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

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

Multi-function navigation button

Solvent, acid, oil resistant, hi-grade, industrial strength housing

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 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*)

Available on the App Store

Universal gage body accepts all PosiTector 6000, 200, SPG, DPM and UTG probes

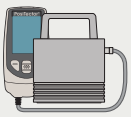
***Standard model** shown in Statistics Mode with shock-absorbing, protective rubber holster*

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

***Flip Display** enables right-side-up viewing*

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

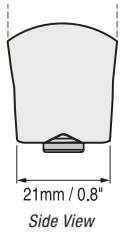
PosiTector® 6000 Series ORDERING GUIDE

		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 fire proofing and more				
													
FERROUS METALS	Standard	F1	FS1	FRS1		F0S1	F45S1	F90S1	FT1	FTS1	FHXS1**	FKS1	
	Advanced	F3	FS3	FRS3		F0S3	F45S3	F90S3	FT3	FTS3	FHXS3**	FKS3	
NON-FERROUS METALS	Standard	N1	NS1	NRS1	NAS1	N0S1	N45S1	N90S1				NKS1	
	Advanced	N3	NS3	NRS3	NAS3	N0S3	N45S3	N90S3				NKS3	
COMBINATION ALL METALS	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	0–2.5 inches 0–63.5 mm
Accuracy*		±(0.05 mil +1%) 0–2 mils ±(0.1 mil +1%) >2mils ±(1µm +1%) 0–50µm ±(2µm +1%) >50µm			±(0.02 mil +1%) 0–4 mils ±(0.1 mil +3%) >4 mils ±(0.5µm +1%) 0–100µm ±(2µm +3%) >100µm				±(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%) ±(2µm +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 (included)

Ferrous probes *measure non-magnetic coatings on ferrous metals.* ***Non-Ferrous probes*** *measure non-conductive coatings on non-ferrous metals.* ***Combination probes*** *measure coatings on all metals.*
FHXS probe *measures non-conductive coatings on steel.* ***FNGS probe*** *measures non-conductive coatings on all metals and includes STDP8 standards.*
**Accuracies are stated as a fixed value plus a percentage of the gage's actual reading. **Xtreme probe with Alumina wear face and braided cable. Ideal for rough or hot surfaces up to 250° C (500° F).*

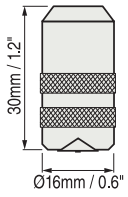
Probe Details (All probe details can be found online at www.defelsko.com/p6000/probes)

REMOVABLE BUILT-IN

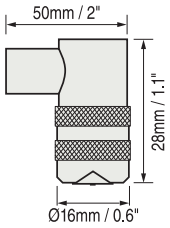


Side View

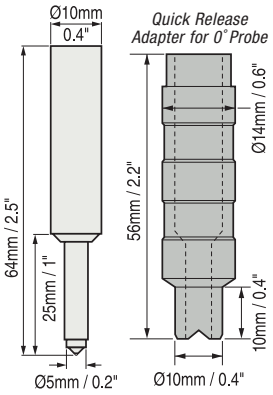
REGULAR & FTS



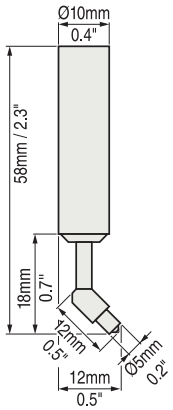
90° REGULAR



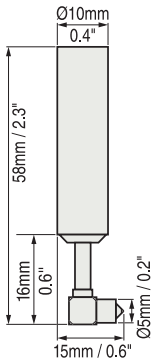
F0S & N0S *WITH ADAPTER*



F45S & N45S



F90S & N90S

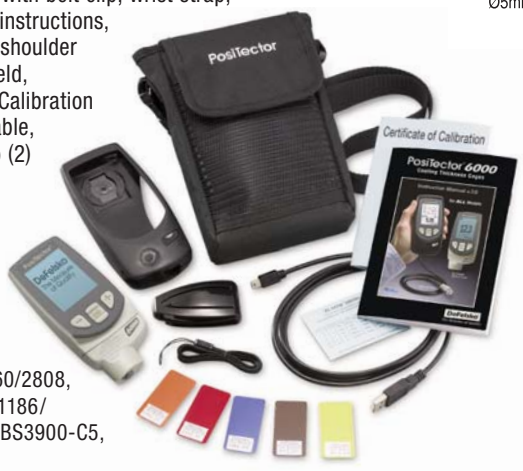


ALL GAGES COME COMPLETE with precision plastic shims, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, PosiSoft.net account, 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 under-water or remote measuring. Specify length when ordering.

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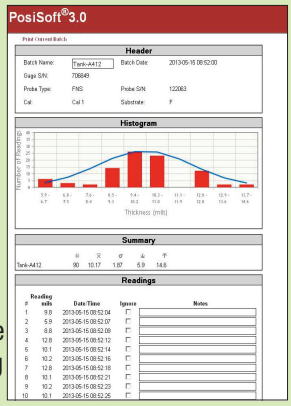
Made in U.S.A.

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

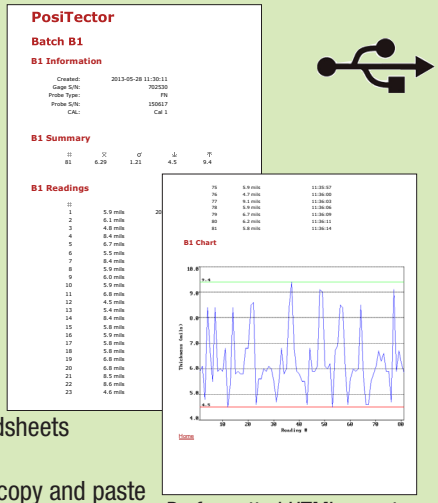
Newly updated version 3.0 desktop software for PC or Mac computers



- 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 be easily imported into supporting applications such as documents, spreadsheets and databases

PosiSoft® USB Drive

Access your PosiTector as a flash drive



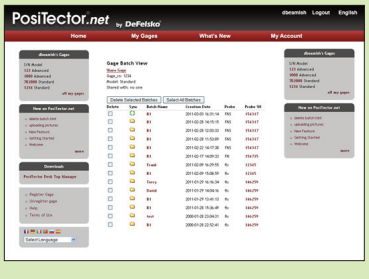
- View and print readings and graphs using universal PC/Mac web browsers or file explorers
- Measurement data is stored in comma-separated text files which can easily be imported into supporting applications such as documents, spreadsheets and databases
- Simple file management - copy and paste data 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 measurement data as PDF reports or .CSV comma-separated 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 enabled PosiTector Advanced instruments.

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

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DeFelsko Coating Thickness Standards

Certified coating thickness standards are ideal for verifying the accuracy and operation of coating thickness gages and are an important component in fulfilling both ISO and in-house quality control requirements.

Many organizations require verification of gage accuracy at the test site each time a coating thickness gage is put into service and at frequent intervals during use. Ideal for this purpose, DeFelsko certified coating thickness standards have measured values traceable to a National Metrology Institution.

S1 Ferrous

Certified Coated Metal Plates and Polystyrene Blocks

- Used to verify the accuracy and operation of any Type 1 (mechanical) and Type 2 (electronic) magnetic, eddy-current or ultrasonic coating thickness gage
- Ideal for use in the calibration lab, in the field or on the factory floor
- Standards with steel or aluminum substrates consist of 4 plates mounted in a protective binder
- Polystyrene thickness standards consist of 4 blocks supplied in a rugged acrylic storage box
- Individually serialized for traceability to NIST or PTB - includes a Certificate of Calibration
- Certified and labeled in both Metric and Imperial units

Plate Diameter: 38 mm (1.5”)	**Measurement Diameter:** 25 mm (1”)
Polystyrene Blocks: 38 x 70 mm (1.5” x 2.75”) **P8:** 76 x 76 mm (3.0” x 3.0”)	

A1
Non-Ferrous

Individual plates are available

P1 Polystyrene

Order Code	Ideal for	Approximate Thickness				Coating/ Substrate	Accuracy
		Plate 1	Plate 2	Plate 3	Plate 4		
S1	**PosiTector 6000** F, FS, FRS, FN, FNS, FNRS **PosiTest** F & FM	0	75 µm 3 mils	250 µm 10 mils	1500 µm 60 mils	Epoxy on Steel (Ferrous)	+/- 0.43 µm +/- 0.017 mil
S2	**PosiTector 6000** F0S, F45S, F90S **PosiTest DFT** Ferrous & Combo	0	75 µm 3 mils	250 µm 10 mils	1000 µm 40 mils		
S3	**PosiTest** G & GM **PosiPen** A, B & C	0	15 µm 0.6 mils	40 µm 1.6 mils	100 µm 4 mils		
A1	**PosiTector 6000** N, NS, NRS, FN, FNS, FNRS	0	75 µm 3 mils	250 µm 10 mils	1500 µm 60 mils	Epoxy on Aluminum (Non-Ferrous)	+/- 0.43 µm +/- 0.017 mil
A2	**PosiTector 6000** NAS, N0S, N45S, N90S **PosiTest DFT** Combo	0	75 µm 3 mils	250 µm 10 mils	500 µm 20 mils		
A3	**PosiTector 100**B, **200**, **200**B	75 µm 3 mils	125 µm 5 mils	250 µm 10 mils	500 µm 20 mils		
P1	**PosiTector 6000** FT, FTS, NTS, FNTS **PosiTector 200** D	375 µm 15 mils	2 mm 80 mils	4.5 mm 185 mils	6.5 mm 250 mils	Polystyrene Blocks	+/- (2.5 µm + 0.05% of thickness) +/- (0.1 mil + 0.05% of thickness)
P2	**PosiTector 6000** FHS, NHS, EOC	2.5 mm 100 mils	6.5 mm 250 mils	13 mm 500 mils	19 mm 750 mils		
P3	**PosiTector 100**C	375 µm 15 mils	1.5 mm 60 mils	2.5 mm 100 mils	4.5 mm 185 mils		
P4	**PosiTector 100**D	1.5 mm 60 mils	2.5 mm 100 mils	4.5 mm 185 mils	6.5 mm 250 mils		
P5	**PosiTector 6000** FKS, NKS	1.5 mm 60 mils	2.5 mm 100 mils	6.5 mm 250 mils	12 mm 480 mils		
P6	**PosiTector 200**C	375 µm 15 mils	1.5 mm 60 mils	2.5 mm 100 mils	3 mm 125 mils		
P7	**PosiTector 6000** FHXS	1.5 mm 60 mils	4.5 mm 185 mils	6.5 mm 250 mils	9.5 mm 375 mils		
P8	**PosiTector 6000** FNGS	13 mm 500 mils	13 mm 500 mils	13 mm 500 mils	19.5 mm 750 mils		

Select the Standard that most closely matches the measuring range of your gage.
All certified standards are supplied with a Certificate of Calibration traceable to NIST or PTB.

Made in U.S.A.