

PosiTector® 6000 Series

Coating Thickness Gages for
ALL Metal Substrates



DeFelsko®

The Measure of Quality

Quality DeFelsko Products Online at: www.GlobalTestSupply.com

sales@GlobalTestSupply.com

PosiTector® 6000 Series

All Gages Feature...

Simple

- Ready to measure—no calibration 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, SPG and DPM probes easily converting from a coating thickness gage to a surface profile gage or dew point meter
- 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
- 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
- USB mass storage—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 web keep your gage current
- Connects to PosiTector.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
- 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 batch notes
- **NEW!** WiFi technology wirelessly synchronizes with PosiTector.net, downloads software updates, and connects to 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



Removable Built-in Probe can be
detached and replaced with any one
of our wide variety of probes including
separate probes and microprobes



Rugged Features...

WEATHERPROOF

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**



Standard Model shown in Statistics mode with
shock-absorbing, protective rubber holster



High-Range Probes for thick coatings,
e.g. fireproofing, tank linings, etc.



Flip Display enables right-side-up viewing



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

PosiTector.net

by DeFelsko

Home

My Gages

What's New










My Account

where your gage
meets the cloud™



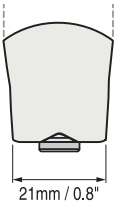
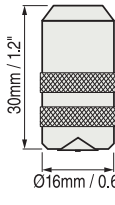
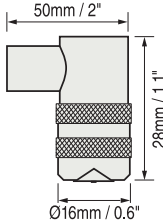
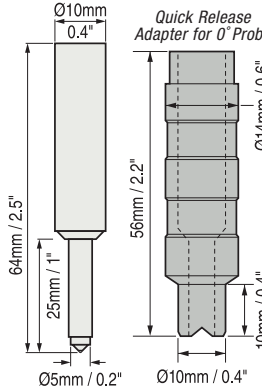
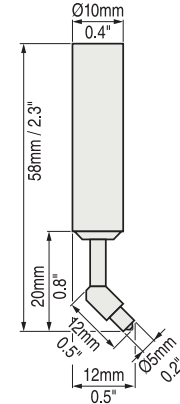
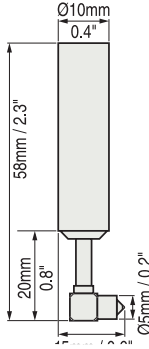
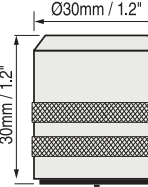
**A free web-based
application offering
secure centralized
management of
thickness readings**

- Synchronize measurement data when connected via USB or WiFi (Advanced models only)—measurements are uploaded to a secure server; images and batch notes are downloaded to your gage
- Manipulate uploaded data using a standard internet web browser from any location in the world—job site or head office
- Generate reports and graphs with annotations and user selected images
- Share measurement data with authorized users via a secure login from any computer and most web enabled devices
- Export data to XML and text files
- Visit www.defelsko.com/PosiTectorNET for a demonstration

PosiTector® <i>6000 Series</i> 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		
												
Non-Magnetic Coatings over FERROUS Metals (Steel and Iron)	Standard	F1	FS1	FRS1		F0S1	F45S1	F90S1	FT1	FTS1	FKS1	
	Advanced	F3	FS3	FRS3		F0S3	F45S3	F90S3	FT3	FTS3	FKS3	
Non-Conductive Coatings on NON-FERROUS Metals (Aluminum, Copper, etc.)	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		
	Advanced	FN3	FNS3	FNRS3						FNTS3		
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 – 500 mils 0 – 13 mm		
Accuracy*		±(0.05 mils + 1%) 0 – 2 mils ±(0.1 mils + 1%) > 2 mils ±(1 µm + 1%) 0 – 50 µm ±(2 µm + 1%) > 50 µm			±(0.02 mils + 1%) 0 – 4 mils ±(0.1 mils + 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		±(1 mil + 3%) 0 – 500 mils ±(0.02 mm + 3%) 0 – 13 mm		
Matching DeFelsko Calibration Standards		STDS1 STDA1			STDS2 STDA2			STDP1		STDP5		

*Accuracies are stated as a fixed value plus a percentage of the gage's actual reading. EXTENDED CABLES available for underwater or remote measuring. Specify length when ordering.

Probe Details

REMOVABLE BUILT-IN	REGULAR & FTS	90° REGULAR	F0S & N0S WITH ADAPTER	F45S & N45S	F90S & N90S	FNTS, FKS & NKS
 21mm / 0.8" Side View	 30mm / 1.2" Ø16mm / 0.6"	 50mm / 2" 28mm / 1.1" Ø16mm / 0.6"	 Quick Release Adapter for 0° Probe 64mm / 2.5" 25mm / 1" Ø5mm / 0.2" 56mm / 2.2" Ø10mm / 0.4" 10mm / 0.4"	 Ø10mm / 0.4" 58mm / 2.3" 20mm / 0.8" 12mm / 0.5" 12mm / 0.5"	 Ø10mm / 0.4" 58mm / 2.3" 20mm / 0.8" Ø5mm / 0.2"	 Ø30mm / 1.2" 30mm / 1.2"

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, 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,
PrEN 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

Protective Lens Shields protect the display from overspray



DEFELSKO CORPORATION
802 Proctor Ave., Ogdensburg, New York 13669-2205 USA
Toll Free 1-800-448-3835 Tel: +1-315-393-4450 Fax: +1-315-393-8471
techsale@defelsko.com www.defelsko.com




Order Code	Description
<input type="checkbox"/> FNS1	PosiTector Standard with 6000 FNS Probe
<input checked="" type="checkbox"/> FNS3	PosiTector Advanced with 6000 FNS Probe

PosiTector[®] 6000

Coating Thickness Gage

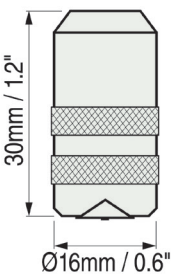
Compare PosiTector Gage Bodies

Features	Standard	Advanced
Fast Mode — 90+ readings per minute for quick inspection	•	•
3 Scan Modes — Increase measurement speed to 180+ readings per minute		•
HiLo alarm — Audibly and visibly alerts when measurements exceed your specified limits	•	•
Statistics Mode — Instantly calculate average, standard deviation, min/max thickness and number of readings while measuring	•	•
Two year warranty on body AND probe	•	•
Reading Storage Capacity	250 per probe	100,000 in up to 1,000 batches
Onscreen Batch Annotation — Add notes, change batch names and more with built-in QWERTY keyboard		•
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		•
Multiple stored calibration adjustments for measuring on a variety of substrate conditions		•
Connection Options		
Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.	•	•
 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.		•
WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates		•



PosiTector 6000 FNS3



Removeable Cabled Probe	Probe Model FNS	
	Range:	0 - 60 mils
		0 - 1500 µm
	*Accuracy:	± (0.05 mils + 1%) 0 - 2 mils ± (0.1 mils + 1%) > 2 mils
		± (1 µm + 1%) 0 - 50 µm ± (2 µm + 1%) > 50 µm
*Accuracies are stated as a fixed value plus a percentage of the gage's actual reading.		

FNS probe for measuring on ferrous and non-ferrous metal substrates.
Ideal for measuring coating thickness on steel, iron, aluminum, copper and more.

All Gages Feature...



Simple

- **NEW** Faster measurement speed — 60+ readings per minute
- 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



Accurate

- Certificate of Calibration showing traceability to NIST or PTB included (Long Form)
- 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

- Multiple Calibration adjustment options including 1 point, 2 point, known thickness, average zero
- Selectable display languages
- High contrast LCD with backlit display
- Flip display enables right-side-up viewing
- Extended cables available (up to 75 m/250 ft) for underwater or remote measuring
- Uses alkaline or rechargeable batteries (built-in charger)

Order Code	Description
<input type="checkbox"/> FNS1	PosiTector Standard with 6000 FNS Probe
<input checked="" type="checkbox"/> FNS3	PosiTector Advanced with 6000 FNS Probe



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



Powerful

- Statistics mode 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
- **NEW** Enhanced FAST mode — 90+ readings per minute for quick inspection
- Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- Software updates via web keep your gage current
- Every stored measurement is date and time stamped
- Software Solutions for viewing, analyzing & reporting data. See page 3 for a complete overview of these options.



Comes complete with PosiTector gage body, FNS probe, 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 Software, two (2) year warranty.

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

BODY WEIGHT: 140 g (4.9 oz.) without batteries

CONFORMS TO: ISO 2178/2360/2808, ISO 19840, ASTM B244/B499/D1186/D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others

PosiSoft® Suite of Software

Four FREE and unique ways to view and report your PosiTector and PosiTest data

PosiSoft Desktop — PC/Mac

Powerful desktop software for downloading, viewing, printing and storing measurement data. No internet connection required.

- Import readings directly from the gage via USB or from legacy PosiSoft desktop versions
- Synchronize measurement data including readings, notes and pictures to and from PosiSoft.net
- Import/Export Templates and Jobs to share with other users
- **NEW** Import PDF forms and overlay **Custom Fields** for automatic population of inspection and measurement data
- Report preview automatically refreshes as changes are made



PosiSoft.net — Web-based

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

- Synchronize data when connected via USB or WiFi
- Synchronize measurement data including readings, notes and pictures with PosiSoft Desktop and PosiTector App
- Securely store measurement data in the cloud and share with authorized users via a secure login



Jobs Batches Readings

PosiTector App — Mobile

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

- Auto pairing Bluetooth BLE connection
- Automatically generate user-formatted reports and share via email, text, cloud storage services like Dropbox, and more
- Export readings to PosiSoft Desktop or synchronize readings to and from PosiSoft.net for further reporting and archival options



PosiSoft Custom PDF Report Generator

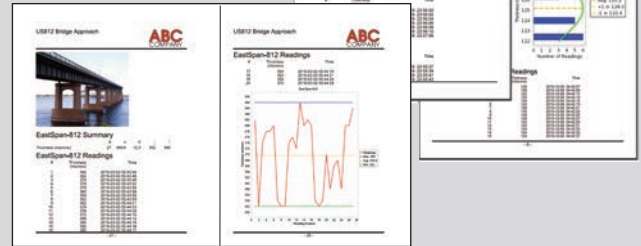
Easily create reports from your measurement data in seconds.

featured on

PosiSoft Desktop

PosiSoft.net

PosiTector App

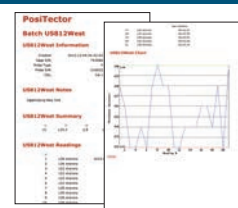


- Include inspection information such as on-site pictures, screen captures, notes and more to communicate important details
- Create and save multiple custom layouts as templates – insert cover pages, add logos/images, and select font and point size
- Select the information to include for each product type – charts, histograms, readings, time stamps and more
- Compile multi-batch reports from one or more probes and instrument types
- Export readings as comma separated value (.CSV) files which can easily be imported into Excel and other supporting applications



Jobs feature consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports (not available on PosiTector App)

PosiSoft USB Drive — Gage Based



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.

- View and print readings and graphs using universal PC/Mac web browsers and file explorers
- Measurement data can be printed quickly from a formatted HTML report or exported in .CSV format for further analysis in spreadsheets
- Simple file management - Copy and paste measurement data from the PosiTector to a local folder on your computer, network folder or cloud drive
- Access stored screen captures (snapshots) of the PosiTector display