PosiTector® 6000 Series

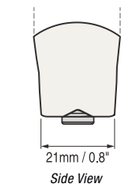
Ordering Guide

		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 PROBES	Standard	F1	FS1	FRS1		FXS1[1]		F0S1	F45S1	F90S1	F90ES1	FT1	FTS1	FTRS1	FHXS1[1,2]	FKS1	FLS1	
	Advanced	F3	FS3	FRS3		FXS3[1]		F0S3	F45S3	F90S3	F90ES3	FT3	FTS3	FTRS3	FHXS3[1,2]	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	FNDS1[3]								FNTS1					FNGS1[4]
	Advanced	FN3	FNS3	FNRS3	FNDS3[3]								FNTS3					FNGS3[4]
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	0–1.5 in. 0–38 mm	0–2.5 in. 0–63.5 mm
Accuracy[5]		±(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)

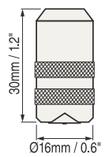
Ferrous probes *measure non-magnetic coatings on ferrous metals.* ***Non-Ferrous probes*** *measure non-conductive coatings on non-ferrous metals. 1)* ***FXS/FHXS Xtreme probe series*** *with Alumina wear face and braided cable — ideal for rough or hot surfaces up to 250° C (500° F). 2)* ***FHXS probe*** *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)

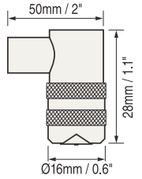
REMOVABLE INTEGRAL



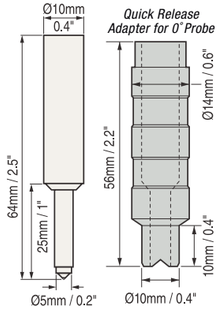
REGULAR, FNDS & FTS



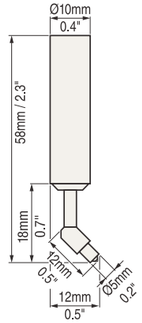
FRS & FTRS



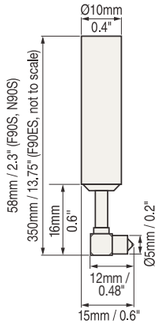
F0S & N0S *WITH ADAPTER*



F45S & N45S



F90S, F90ES & N90S



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 Software, 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 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

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DeFelsko® Inspection Instruments

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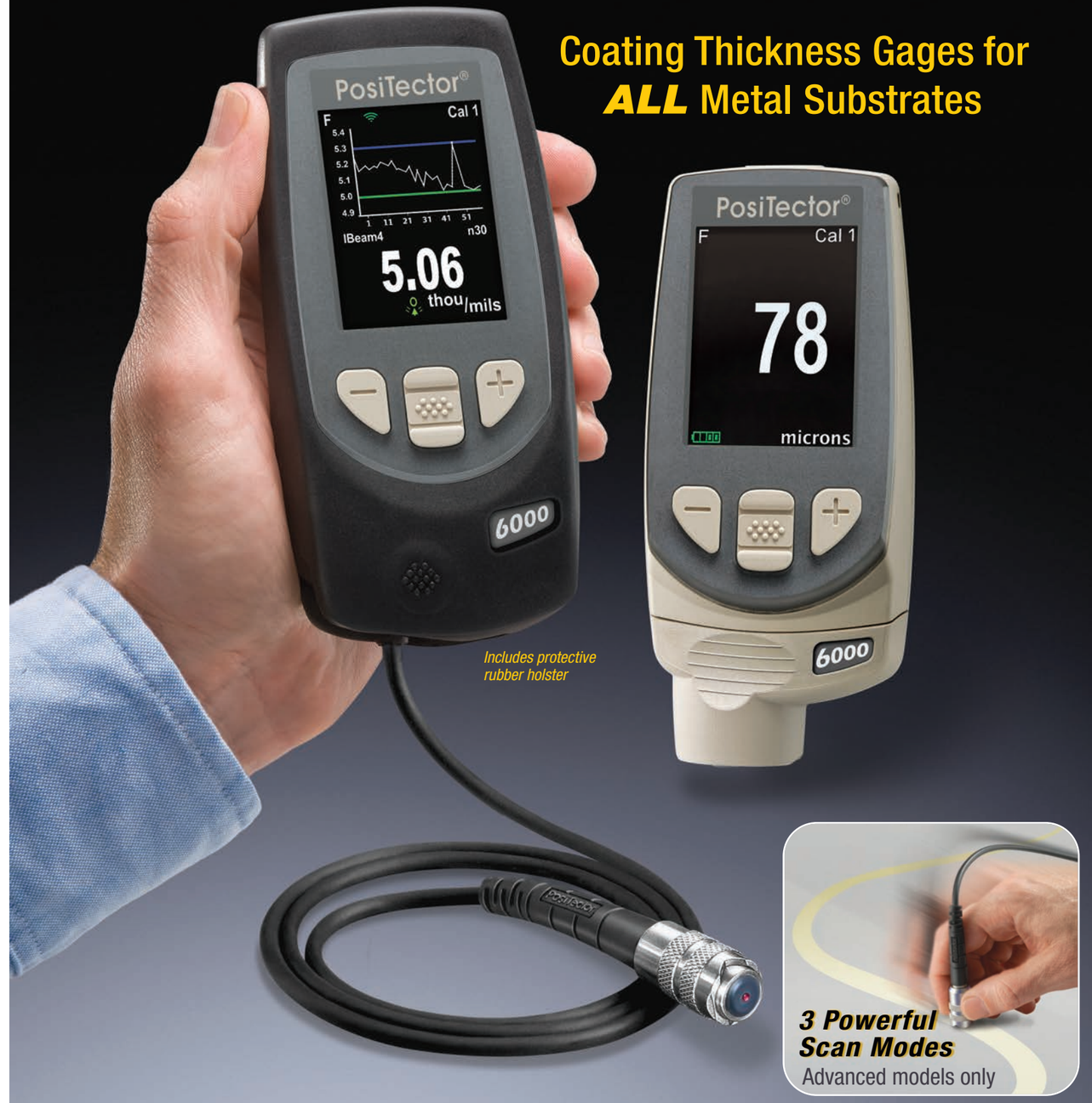
Made in U.S.A.

PosiTector® 6000 Series

Coating Thickness Gages for *ALL* Metal Substrates



DeFelsko® The Measure of Quality

Available on the App Store

WiFi

PosiTector® SmartLink Compatible

Bluetooth®

PosiTector® 6000 Series

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

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 accepts all PosiTector 6000, 200, RTR, SPG, DPM, SST, SHD and UTG probes easily converting from a coating thickness gage to a surface profile gage, dew point meter, soluble salt tester, Shore hardness durometer or ultrasonic wall thickness gage
- 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 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
- ***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.
- 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 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.

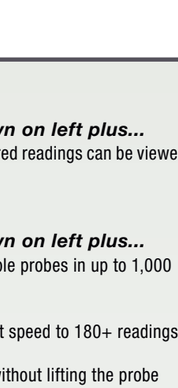
Standard Models

Includes ALL features as shown on left plus...
- Storage of 250 readings per probe—stored readings can be viewed or downloaded

Advanced Models

Includes ALL features as shown on left plus...
- Storage of 100,000 readings from multiple probes in up to 1,000 batches and sub-batches
- Live graphing of measurement data
- 3 Scan Modes — increase measurement speed to 180+ readings per minute
  - ***Normal*** – take continuous readings without lifting the probe
  - ***NEW Statistics*** – take continuous readings and record average, standard deviation, min/max thickness and number of readings while scanning
  - ***NEW Limited Count Average*** – take continuous readings up to a user-specified count. The gage displays and records the average of the readings.
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions
- SSPC-PA 2 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
- 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.
- Onscreen Batch Annotation—add notes, change batch names and more with built-in QWERTY keyboard

PosiTector SmartLink™
- Wirelessly connect PosiTector 6000 probes to your smart device



Select from a variety of measurement ranges and probe styles

(see back page ordering guide)

Cabled Probe Style

Integral Probe Style

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

Water and dust resistant

High contrast color LCD with backlit display

Scratch/solvent/impact resistant lens

Multi-function navigation button

Solvent, acid, oil resistant, high 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 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 Probes *series for thick protective coatings: epoxy, rubber, fireproofing and more*

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

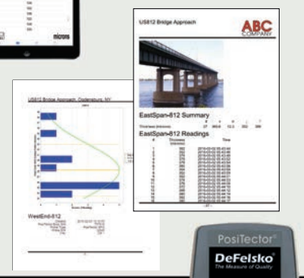
PosiSoft®... *FREE SOLUTIONS for viewing, analyzing and reporting data:*

PosiSoft Desktop
Powerful desktop software for downloading, viewing, printing and storing measurement data. Includes customizable, templated PDF Report Generator. No internet connection required.

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*
- *Shore Hardness*
- *Salt Contamination*
- *Ultrasonic Wall Thickness*