

PosiTector® 6000 Series

Grupo INL®
EXPERTOS EN MAQUINARIA



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



grupoinl.com

info@grupoinl.com

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.

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)



Cabled
Probe Style



Integral
Probe Style



Thick

90°

0°

45°

Regular

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**

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



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

Grupoinl

		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 ¹		F0S1	F45S1	F90S1	F90ES1	FT1	FTS1	FTRS1	FHXS1 ^{1,2}	FKS1	FJS1	FLS1	
	Advanced	F3	FS3	FRS3		FXS3 ¹		F0S3	F45S3	F90S3	F90ES3	FT3	FTS3	FTRS3	FHXS3 ^{1,2}	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 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		0–1.0 in. 0–25 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			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)

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"	 Quick Release Adapter for 0° Probe Ø10mm 0.4" 64mm / 2.5" 25mm / 1" Ø5mm / 0.2" 56mm / 2.2" Ø14mm / 0.6" 10mm / 0.4"	 Ø10mm 0.4" 58mm / 2.3" 18mm / 0.7" 12mm / 0.5" 12mm / 0.5" Ø5mm 0.2"	 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



©DeFelsko Corporation USA 2021. All Rights Reserved. Technical Data subject to change without notice. • Printed in USA • P6000.LW/W2101