

Coating Thickness Gages and Inspection Instruments



Coating Thickness Gages for Metals		PG.
PosiTector 6000	our most popular electronic gage for measuring coating thickness on all metals. Easy-to-use features for rugged environments.	3 - 6
PosiTest DFT	basic electronic gage for measuring coatings on all metals	7 - 8
PosiTest FM/GM	the industry standard, for measuring non-magnetic coating thickness (paint, plating, galvanizing, etc.) over steel.	9 - 10
PosiPen	small unique magnet for measuring small, hot or hard-to-reach areas on steel.	11 - 12
Coating Thickness Gages for Non-Metals		
PosiTector 200	ultrasonic coating thickness gage measures TOTAL thickness or up to 3 individual layers on wood, concrete and more	13 - 16
Coating Thickness Gages for Uncured Powder		
PosiTector PC	Non-contact Powder Checker coating thickness gage measures uncured powder and predicts cured thickness.	17 - 18
Inspection Instruments		
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PosiTector DPM	Measures and records climatic parameters including: air temperature, surface temperature, relative humidity, dew point temperature and the difference between surface and dew point temperatures.	23 - 26
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PosiTector SPG	Surface Profile Gage measures and records peak to valley surface profile heights. 2 models to choose from. Standard or Advanced.	31 - 32
PosiTest AIR	Leak Tester detects air and water leaks in building envelopes and rigid air barrier systems.	33 - 34
PosiTector Inspection Kits		
Inspection Kits	Compact kits contain 1 gage body and 3 probe types to measure and record coating thickness, surface profile and climatic conditions.	35 - 36
Standards		
Thickness Standards	Thickness standards are ideal for checking calibration and operation of coating thickness gages and are an important component in fulfilling both ISO and in-house quality control requirements.	37 - 38
Software		
PosiSoft Solutions	The PosiSoft suite of software solutions offers 4 FREE ways to view and report your data, ranging from dedicated desktop software to cloud-based PosiSoft.net.	39



PosiTector® 6000 Series

Coating Thickness Gages for
ALL Metal Substrates



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)

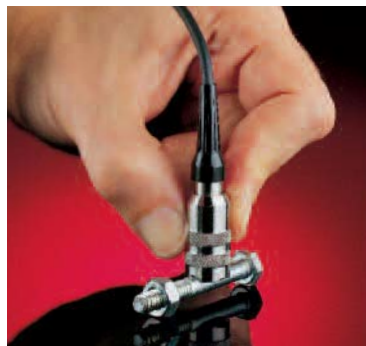
Powerful

- 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 transfective 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

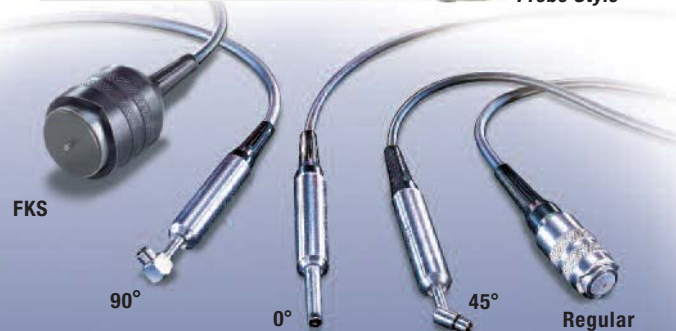


Separate Probe Style

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, 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 Separate Probes
are suitable for underwater use*



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

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)



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



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 0–1500µm			Ferrous: 0–45 mils and 0–1150µm Non-Ferrous: 0–25 mils and 0–625µm				0–250 mils 0–6 mm		0–400 mils 0–10,000µm		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%) >2mils ±(1µm+1%) 0–50µm ±(2µm+1%) >50µm			±(0.02 mil+1%) 0–4 mils ±(0.1 mil+3%) >4 mils ±(0.5 µm+1%) 0–100µm ±(2 µm+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		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 & NOS WITH ADAPTER	F45S & N45S	F90S & 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 64mm / 2.5" 25mm / 1" Ø5mm / 0.2" 56mm / 2.2" Ø10mm / 0.4" 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" 16mm / 0.6" 15mm / 0.6" Ø5mm / 0.2"

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, 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.

DeFelsko®
The Measure of Quality

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techsale@defelsko.com www.defelsko.com

Made in U.S.A.

PosiTest[®] *DFT*

Coating Thickness Gage

Ideal for...

- Powder Coaters
- Paint Applicators
- Coating Inspectors
- Painting Contractors
- Automotive Refinishers

2 Models...

Ferrous for STEEL

Combo for ALL METALS



simply
measures

PosiTest® DFT

Coating Thickness Gage

Two Models

- **PosiTest DFT Ferrous**
measures non-magnetic coatings on steel.
- **PosiTest DFT Combo**
measures both non-magnetic coatings on steel
AND non-conductive coatings on aluminum,
brass, etc. **Automatically** recognizes the
substrate and takes a measurement.



Features

- Fast, repeatable measurements
- No calibration required for most applications
- ZERO feature for rough or curved surfaces
- Handy RESET feature when no zero reference is available
- Strong, wear-resistant, ruby-tipped probe
- Unique FLIP Display enables right-side-up viewing in any position
- Audible and visible measurement indication
- V-groove in probe for positioning on cylindrical parts
- Mils/Microns switchable
- Basic instructions on the back of each gage
- Built-in wrist strap for added convenience and safety
- 2 Year Warranty

Specifications

Measurement Range	0 – 40 mils	0 – 1000 µm
Accuracy	±(0.1 mils + 3%)	±(2µm + 3%)
Size	4 x 1.5 x 0.9 in.	100 x 38 x 23 mm
Weight	2.5 oz.	70 g



Unique FLIP Display
enables right-side-up
viewing in any position



Gage Comes Complete with built-in probe,
wrist strap, plastic shims, hard shell storage case,
AAA battery, instructions and two (2) year warranty.

Conforms to: ISO 2178/2360/2808,
prEN ISO 19840, ASTM B244/B499/B659/D1186/D1400/D7091/E376/G12,
BS3900-C5, SSPC-PA2 and others. *Certificate of Calibration traceable to NIST available.*

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PosiTest[®] *Accurate & Dependable*

For the non-destructive measurement of non-magnetic coatings (paint, enamel, galvanizing, metalizing, plating, etc.) on STEEL



Easily measures
small parts of
almost any shape



Stable design with additional
tail-end support. No annoying
rocking during measurement.

DeFelsko[®]
The Measure of Quality

PosiTest[®] *Accurate & Dependable*

For the non-destructive measurement of non-magnetic coatings (paint, enamel, galvanizing, metalizing, plating, etc.) on STEEL

ACCURATE

- Certificate of Calibration showing traceability to N.I.S.T. included with every gage
- Matching Calibration Standards and Procedures available for every model
- Highly wear resistant Carbide Probe for longest life and continuous accuracy
- Remove center of dial cover for easy calibration adjustment
- Conforms to national and international standards

DURABLE

- Extra rugged housing, not affected by mechanical shock, water, acid or solvents
- Unique overall design, fully supported, positive positioning, no pivoting tendencies during measurement
- Can be used fully supported or with only the front probe area contacting the surface
- Functions on a permanent rare-earth cobalt magnet
- No batteries/electronics
- 2 year warranty

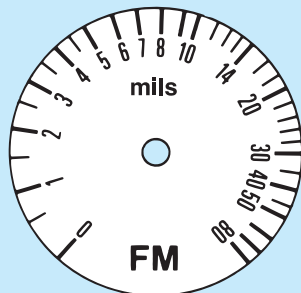
EASY TO USE

- Positive visual and audible indicators to designate when thickness reading is established
- "V" grooves in probe housing and Gage base allow correct positioning on cylindrical objects
- Compact, lightweight, precisely balanced, independent of gravity – can be used in any position
- GO/NO-GO button can be pre-set for rapid measurement
- Probe contact and dial rotation all in a one-finger operation
- Furnished with wrist strap and instructions in a high quality leather case with belt loops for your convenience



Carbide measuring probe for long life.

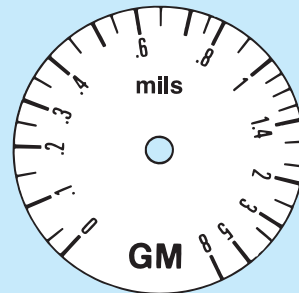
FOR: Hot dip galvanizing, hard chrome metalizing, paint, enamel coatings on steel



Scale FM 0–80 mils
Tolerance: ± 0.2 mils up to 4 mils
 $\pm 5\%$ of the reading over 4 mils

Scale F 0–2000 microns
Tolerance: ± 5 microns up to 100 microns
 $\pm 5\%$ of the reading over 100 microns

FOR: Electroplating, thin paint films, phosphating on steel



Scale GM 0–8 mils
Tolerance: ± 0.04 mils up to 0.8 mils
 $\pm 5\%$ of the reading over 0.8 mils

Scale G 0–200 microns
Tolerance: ± 1 micron up to 20 microns
 $\pm 5\%$ of the reading over 20 microns

DeFelsko[®]
The Measure of Quality

DEFELSKO CORPORATION

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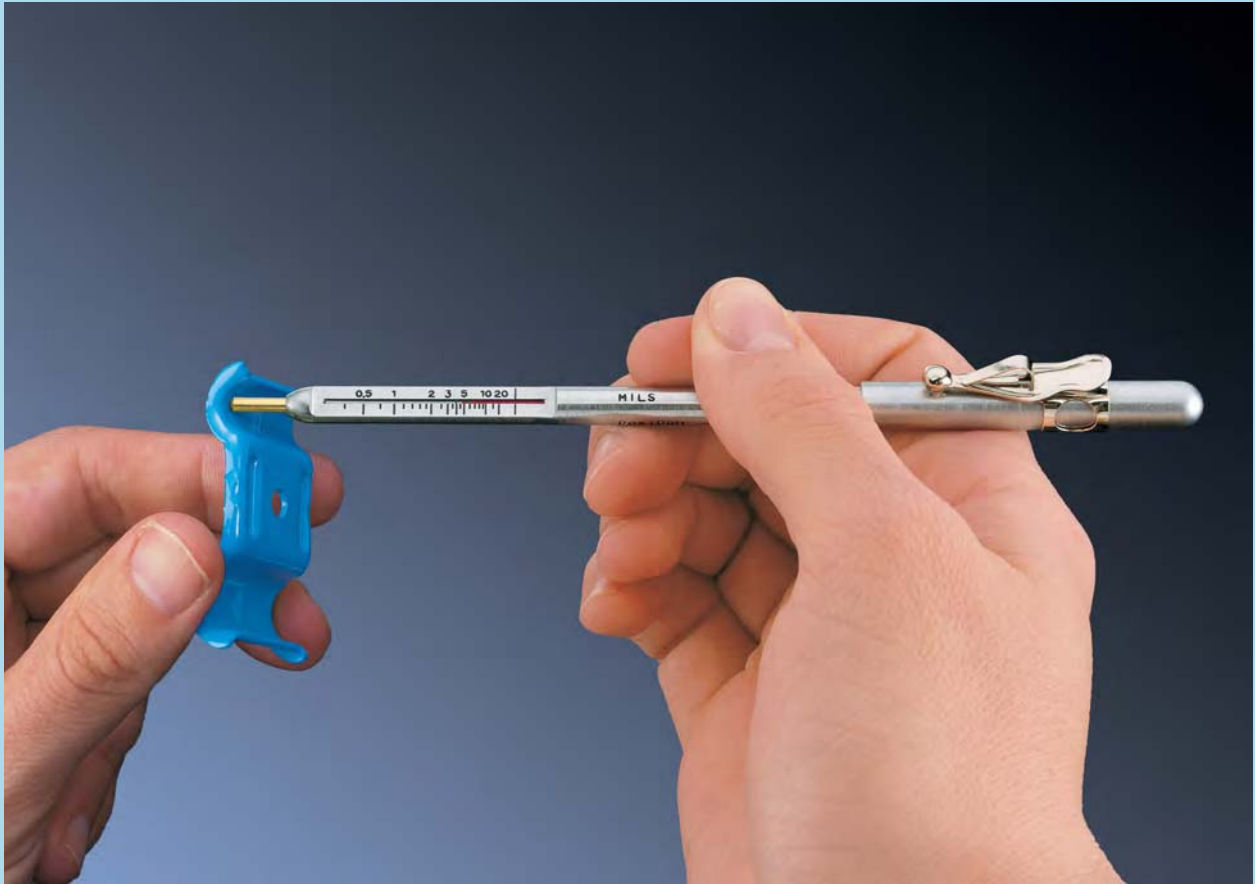
Fax: +1-315-393-8471 E-mail: techsale@defelsko.com

Web: www.defelsko.com



PosiPen®

Coating Thickness Gage



**Measures non-magnetic coatings
such as paint, enamel, plating,
hot-dip galvanizing on steel.**

**Ideal for measuring on small,
hot or hard-to-reach surfaces.**



PosiPen® Coating Thickness Gage

Measures non-magnetic coatings such as paint, enamel, plating, hot-dip galvanizing on steel.

PosiPen has a very small, unique magnet which can be placed with pin-point accuracy on extremely small parts, and on peaks and valleys.

Used for:

- Small, hot or hard-to-reach surfaces
- Spot Checks - conveniently fits in a shirt pocket
- Hot Sprayed Coatings

Ideal for:

- Refineries, petrochemical plants
- Platers - electroplating, chrome, zinc, galvanizing
- Powder coaters

Simple

- Easy-to-Use
- Lightweight - easy to carry, just like a ball point pen

Durable

- No batteries/Electronics
- Rugged - not affected by mechanical shock, acid, oil, water and dust

Accurate

- No user adjustment required
- Certificate of Calibration traceable to NIST included
- Highly wear resistant probe tip for long life and continuous accuracy



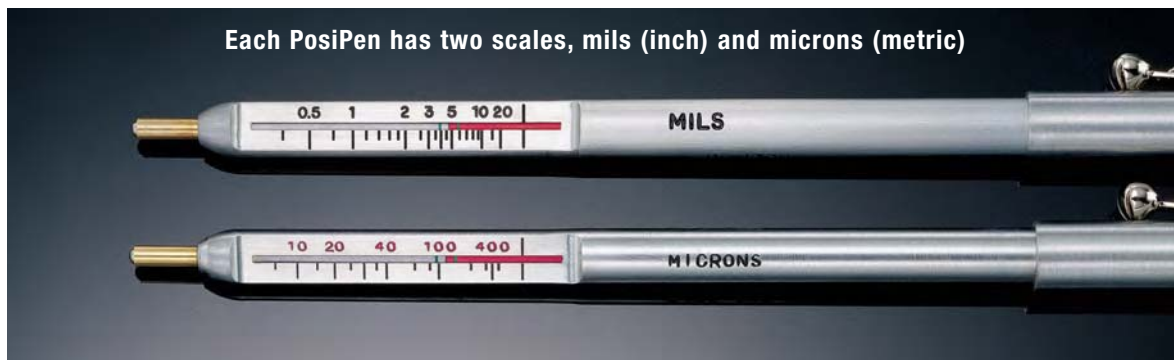
	English	Metric
Range	0.25 to 20 mils	5 to 500 microns
Tolerance	+/-10% and 0.1 mil	+/-10% and 2.5 microns
Temperature	-150° F to + 450° F	-100° C to + 230° C

Conforms to National and International Standards including ASTM D7091/B499, ISO 2808 and others

Triple Indicator: compensates for gravity

1. Use the **red/silver joining line** when the Gage is horizontal (walls).
2. Use the **green line** when the Gage is pointing straight down (green/ground).
3. Use the **blue line** when the Gage is pointing straight up (blue/sky).

Gage comes complete with leather pouch, instructions, Certificate of Calibration traceable to NIST, two (2) year warranty.



Easy to Use:

Place the tip of the PosiPen on the coated surface and allow the magnet to contact. Pull the PosiPen straight from the object to be measured while keeping close watch on the appropriate indicator. Note the reading when the magnet releases.

PosiTector® *200 Series*

**Coating Thickness
Gages for measuring
on Concrete, Wood,
Plastic and more...**



Advanced models
measure up to 3
layers with graphics

DeFelsko®

The Measure of Quality

PosiTector® 200 Series

All Gages Feature...

Simple

- Ready to measure—no adjustment required to measure most coatings
- 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
- 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
- Responsive transducers provide fast, accurate readings
- Proven non-destructive ultrasonic technique conforms to ASTM D6132 and ISO 2808

Versatile

- PosiTector body universally accepts all PosiTector 200, 6000, 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
- Mils/Microns switchable
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- 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—record and save screen images into USB flash memory for record keeping and review.
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- PosiSoft USB Drive—stored readings and graphics 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 the internet keep your gage current
- Connects to PosiSoft.net (see far right panel)

Select from a variety of measurement ranges

(see back page ordering guide)



B Probe for measuring polymer coatings on wood and plastic.



C Probe for measuring coatings on concrete, fiberglass, etc.

Gage Selection...

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

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

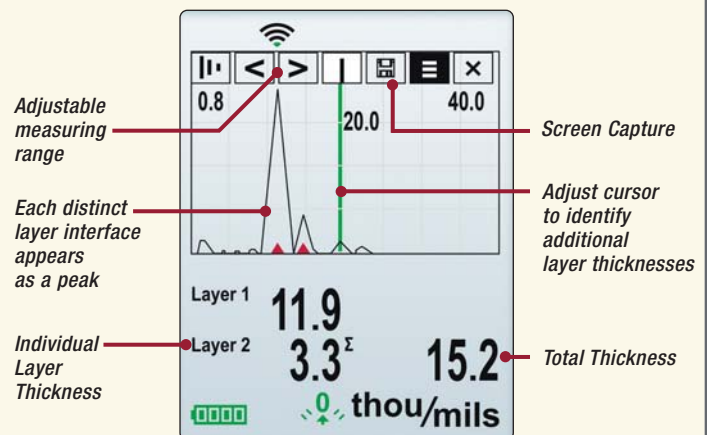


Advanced Models

Includes ALL features as shown on left plus...

- Measure the total thickness of a coating system or up to 3 individual layer thicknesses in a multi-layer system. Also features graphic display for detailed analysis of the coating system
- 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
- Graphics mode with Screen Capture

Easy-to-read graphic display provides clear, detailed analysis of coatings.



Advanced model shown in Graphics mode

Rugged Features...

Sealed USB Port
for communicating
with a PC or Mac

Water and dust resistant—
weatherproof

Hi resolution color LCD

Chart multiple layers

Scratch/solvent/impact
resistant lens

Advanced model shown
in Memory mode

Multi-function
navigation button

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

Shock-absorbing, protective
rubber holster with belt clip
and wrist strap

WEATHERPROOF

Quality high-flex cable and strain relief

Comfortable, ergonomic finger grip
reduces operator fatigue

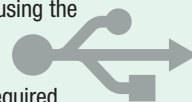
Plastic-tipped
probe will not
scratch surface



D Probe...
ideal for measuring
polyurea.

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 Desktop Software
for downloading, viewing and printing your
measurement data.



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

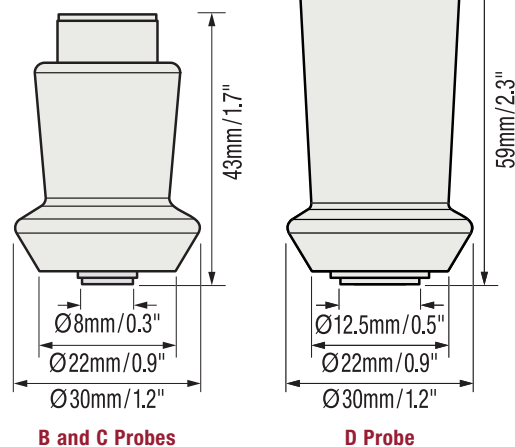
Ordering Guide

PosiTector 200 Model	B/Std	B/Adv	C/Std	C/Adv	D/Std	D/Adv
Measures Total Thickness	x	x	x	x	x	x
Measures Individual Layers		x		x		x
Graphic Display		x		x		x
Typical Applications	Polymer coatings on wood, plastic, etc.		Coatings on concrete, fiberglass, etc.		Thick, soft coatings such as polyurea, asphaltic neoprene, very thick polymers, etc.	
Range*	13 – 1000 microns 0.5 – 40 mils		50 – 3800 microns 2 – 150 mils		50 – 7600 microns 2 – 300 mils	
Accuracy	± (2 microns + 3% of reading) ± (0.1 mil + 3% of reading)				± (20 microns + 3% of reading) ± (1 mil + 3% of reading)	
Minimum Individual Layer Thickness**		13 microns 0.5 mil		50 microns 2 mils		500 microns 20 mils
Thickness Standard	DeFelsko STDA3		DeFelsko STDP6		DeFelsko STDP1	

*Range limits apply to polymer coatings. D Probe polyurea range is 50–5000 microns (2–200 mils). **For multiple layer applications only. Dependent on material being measured.



Probe Details



ALL GAGES COME COMPLETE with body and probe, couplant (ultrasonic gel), precision plastic shims, protective rubber holster, 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: 135 x 61 x 28 mm (5.25" x 2.4" x 1.1")

WEIGHT: 140 g (4.9 oz.) without batteries

Conforms to ASTM D6132 and ISO 2808

Accessories

Bluetooth Printer receives data from Advanced models

Ultrasonic Gel— additional 4 oz. bottles available (case of 12)

Rechargeable Batteries—set of eneloop NiMH AAA batteries

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

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

Protective Lens Shields protect the display from overspray

PosiSoft for Windows Analysis Software—downloads stored readings to a PC (FREE)



DeFelsko
The Measure of Quality

DEFELSKO CORPORATION

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techsale@defelsko.com www.defelsko.com

Made in U.S.A.

PosiTector® **PC** ✓ *Powder Checker*®

**Non-contact Uncured
Powder Thickness Gage**



Easy one-hand operation

Affordably measures uncured powder coatings using non-contact ultrasonic technology to automatically calculate and display a predicted cured thickness.



DeFelsko®
The Measure of Quality

PosiTector® **PC** Powder Checker®

Non-contact coating thickness gage measures uncured powder and predicts cured thickness.

Simple

- Hand-held, battery operated
- No calibration adjustment required for most powders
- Thickness results appear on both base unit and probe
- Bi-color indicator light—ideal in a noisy environment

Durable

- Solvent, acid, oil, water and dust resistant—ideal for powder coating environments
- Shock-absorbing, protective rubber holster with belt loop and magnetic mount for easy storage
- Replaceable screen protects the probe
- Two year warranty on both base unit and probe

Accurate

- Conforms to ASTM D7378
- Advanced new technology allows measurement on small tubes, odd shapes and moving parts
- Easy calibration adjustment options improve accuracy on unusual powders or substrates

Versatile

- Wireless probe communicates with base unit up to 10m away (30 feet). No cable to risk disturbing applied powder
- Selectable display languages
- Backlit displays for dim or dark environments
- Long battery life—uses standard alkaline batteries

Powerful

- Continually displays/updates basic statistics including min/max and average
- USB Mass Storage of 1,000 readings in up to 100 batches
- Built-in IR port for printing stored results to an optional wireless printer
- USB port for fast and easy connection to a PC and to supply continuous power
- No download software required—gage generates formatted reports with measurement summaries and charts
- Live measurement results can be sent to a data collector or spray booth controller



Specifications	
Range	20–110 μm (0.8–4.3 mils)
Resolution	1 μm (0.05 mils)
Accuracy	$\pm 5 \mu\text{m}$ (± 0.2 mil)
Measurement Time	2–5 seconds
Measurement Distance to Powder	18 mm (0.75 inch)
Measurement Area	2 mm (0.08 inch)

BASE UNIT

Size: 146 x 64 x 31 mm (5.75" x 2.5" x 1.2")
Weight: 165 g (5.8 oz.) without batteries

PROBE

Size: 222 x $\varnothing 50$ mm (8.75" x $\varnothing 2.0$ ")
Weight: 272 g (9.6 oz.) without batteries



GAGE COMES COMPLETE

with base unit and probe, protective rubber holster with belt loop and magnetic mount, probe fixture, 3 AAA batteries (base unit), 3 AA batteries (probe), instructions, instructional video, replacement probe screen, USB cable, carabiner and wrist strap, durable carrying case, two (2) year warranty.



DeFelsko®
The Measure of Quality

DeFELSKO CORPORATION
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Web: www.defelsko.com

PosiTest® ***Pull-Off Adhesion Tester***

Measures adhesion of coatings to metal, wood, concrete and other substrates – revolutionary self-alignment feature and pull rate indicator.



IP65

***Available
in 2 models...***

Manual or Automatic



DeFelsko®
The Measure of Quality

Measures the force required to pull a specified test diameter of coating away from its substrate using hydraulic pressure.

AT-A Automatic

Electronically controlled hydraulic pump automatically applies smooth and continuous pressure at a user-specified rate-of-pull

USB port for downloading

AC Adapter port charges batteries or powers instrument

Environmentally sealed, one-piece metal enclosure

Cutting tool for isolating test area

Reach difficult areas with 5 ft (1.5 m) quality flex hose

Self-aligning, quick-coupling secures dollies to actuator

Single-use, self-aligning dollies ensure even, consistent pull-offs

Both Models Feature...

Simple

- Portable – requires no external power source – ideal for lab and field use
- Pull Rate Indicator allows operator to easily monitor and adjust the rate of pull in accordance with international test methods
- Easily select dolly sizes, change measurement units or store readings, with the touch of a button
- Conversion charts not required – tester automatically calculates pressure based on dolly size
- Inexpensive, single-use dollies eliminate cleaning for re-use and can be kept as a permanent record
- Each kit comes with everything needed for testing

Durable

- Environmentally sealed enclosure – weatherproof, dustproof and shockproof – meets or exceeds IP65
- Can be used in any position
- Rugged carrying case
- Two year warranty

Accurate

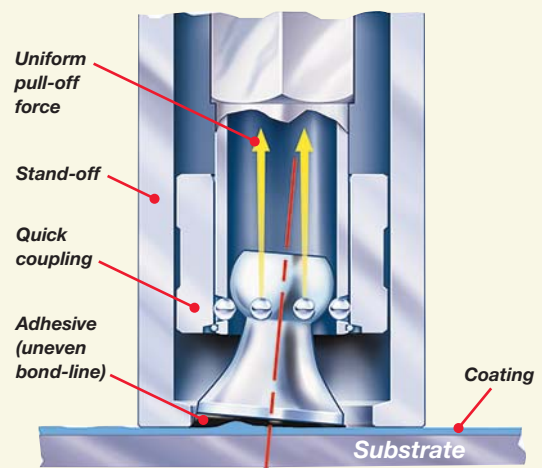
- Every PosiTest Adhesion Tester pressure system is calibrated and certified to $\pm 1\%$ accuracy using NIST traceable load cell
- Self-aligning aluminum dolly enables accurate measurements on smooth or uneven surfaces
- Hi-grade, industrial pressure sensor ensures continued accuracy
- Conforms to national and international standards including ASTM D4541/D7234, ISO 4624/16276-1, AS/NZS 1580.408.5 and others

Versatile

- Internal Memory stores maximum pull-off pressure, rate of pull, test duration and dolly size for up to 200 pulls
- Optional PosiSoft® software available for downloading
- 10, 14, 20 or 50 mm dollies maximize capability and measurement resolution across a wide range of bond strengths
- LCD displays pressure value in psi or MPa

Self-Alignment Feature

The PosiTest Adhesion Tester compensates for misalignment. The self-aligning, quick-coupling actuator and spherical articulating dolly head enable uniform distribution of the pulling force over the surface being tested, preventing a one-sided pull-off.



PosiTest® **AT-M Manual** Adhesion Tester



AT-M Manual

- Heavy-duty manual hydraulic pump designed to apply smooth and continuous pressure with a single stroke
- Pull Rate Indicator to manually monitor and adjust the rate of pull

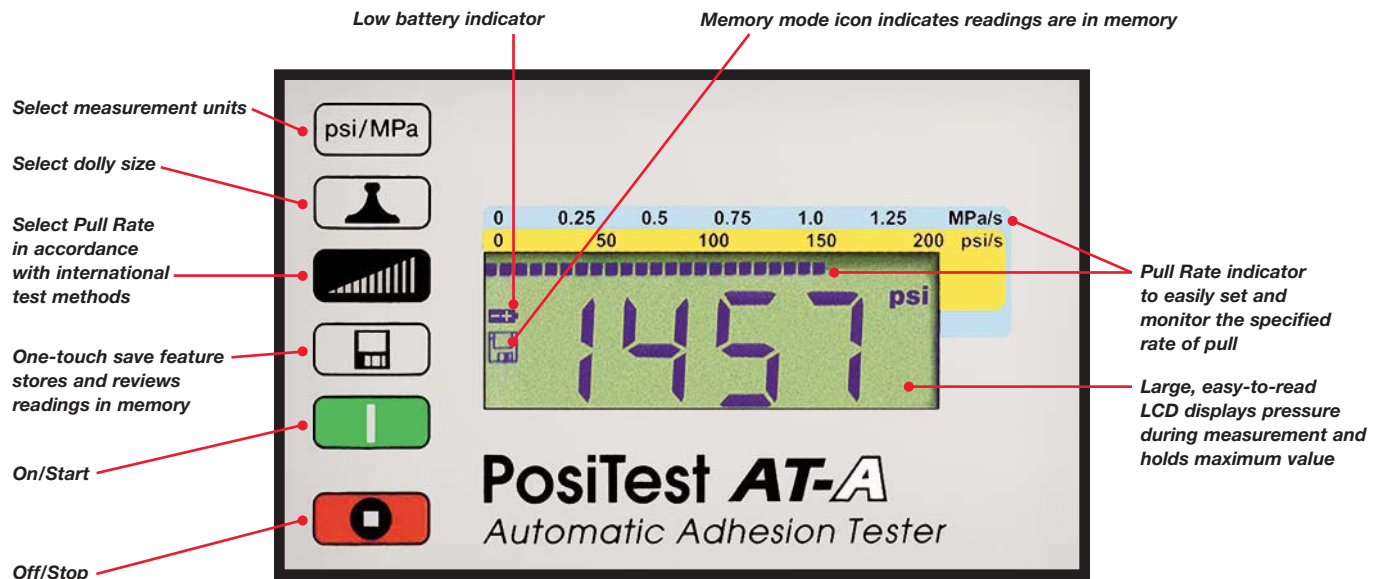
PosiTest® **AT-A Automatic** Adhesion Tester

- Electronically controlled hydraulic pump automatically applies smooth and continuous pull-off pressure at a user-specified rate
- Test with the simple push of a button. No twisting, pumping or cranking. No valves to close, needles to reset, or scales to adjust
- User selectable pull rates ensure compliance with international test methods for a variety of industries including metal, wood and concrete
- Built-in rechargeable batteries perform over 200 tests per charge. Continue testing with AC power while batteries recharge. Supplied with universal AC Adapter



AT-A Automatic

Rugged, portable instrument ideal for lab and field use





Specifications

Dolly Size (mm)*	20 mm
Resolution	1 psi (0.01 MPa)
Accuracy	± 1% Full Scale
Adhesion Strength**	0 – 3000 psi (0 – 20 MPa)

*Additional dolly sizes available to meet specific measuring needs – contact supplier for details. **Varies with dolly size

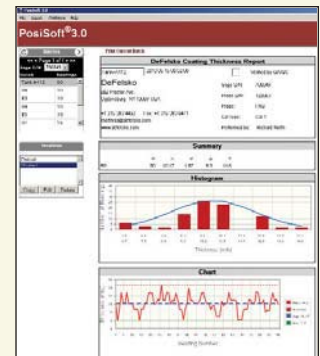
Both Kits include: Adhesion tester with digital display, built-in rechargeable NiMH batteries with charger, 20 mm aluminum test dollies (20), abrasive pad, cutting tool, adhesive with mixing sticks and palettes, cotton swabs, USB cable, downloadable PosiSoft Software, instruction booklet and video, Certificate of Calibration traceable to NIST, two-year warranty, and sturdy, lightweight carrying case

Kit Weight (with case): 13 lbs / 6 kg

Carrying Case Dimensions: L – 17 in / 43 cm x W – 13 in / 33 cm x H – 6 in / 15 cm

PosiSoft® 3.0 Desktop Software

- Import (download) measurement data via USB
- 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



FREE Download at www.defelsko.com/posisoft

Options

50 mm Accessory Kit

- Ideal for lower bond strength finishes such as coatings on wood, concrete and plastic
- Larger surface area of dolly provides improved low range precision and repeatability
- Range 0 – 500 psi (0 – 3.5 MPa)
- Includes 50 mm stand-off, 50 mm hole saw and 50 mm aluminum test dollies (12)

Drilling Template for 20 mm and 50 mm Dollies

- Drilling template and drill bits to isolate test area, ideal for thicker coatings on concrete

Adhesive Kit

- Additional adhesive, mixing sticks, palettes and cotton swabs



Dollies

- Additional supplies of 10, 14, 20 and 50 mm dollies



DeFelsko Corporation

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PosiTector® **DPM**

Dew Point Meter

**Ideal for Use
Outdoors & Indoors**

**Measures
and records
climatic
conditions
including:**

Relative humidity,
air temperature,
surface temperature,
dew point temperature
and difference between
surface and dew point
temperatures.
Ideal for surface
preparation as required
by ISO 8502-4.



*Advanced
model
shown with
built-in probe*



*Standard model
shown with separate probe*



WiFi

Available on the
App Store

DeFelsko®

The Measure of Quality

PosiTector® Dew Point Meter

A New Level of Confidence for painting contractors & inspectors.

Simple

- Enhanced one-handed menu navigation
- No need to consult complex tables or use a slide rule calculator
- Audio and visual alarm – indicates when climate conditions are unsuitable for painting
- All readings are constantly updated and displayed simultaneously
- RESET feature instantly restores factory settings

Durable

- Rugged, outdoor/indoor instrument
- Solvent, acid, oil, water and dust resistant – weatherproof
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on body and probe

Accurate

- Fast response precision sensors provide accurate, repeatable readings with high reliability and long term stability
- Smart Trend™ indicators identify rising, falling or stable readings
- Certificate of Calibration showing traceability to NIST included
- Conforms to national and international standards including ISO and ASTM

Versatile

- Internal Memory stores datasets with the simple touch of a button
- Auto Log Mode automatically records 5 parameters at user selected time intervals. Ideal for unattended operation.
- Every stored reading is date and time stamped
- Field calibratable
- Celsius/Fahrenheit switchable
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Universal body accepts all PosiTector DPM, 6000, and SPG probes
- Hold function freezes the display allowing readings to be manually recorded
- 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
- Software updates via web keep your instrument current
- Connects to PosiTector.net (see far right panel)

D A T A S E T

MEASURES

RH – relative humidity
Ta – air temperature
Ts – surface temperature

CALCULATES

Td – dew point temperature
Ts–Td – the difference between surface and dew point temperatures

Gage Selection...

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

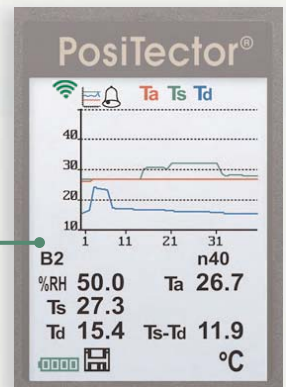
- Monochrome display
- Storage of 2,500 datasets (RH, Ta, Ts, Td, Ts–Td). Stored readings can be viewed or downloaded
- Auto Log Mode automatically records all 5 parameters at user selected time intervals. Runs unattended on batteries for up to 50 hours or continuously via USB

Advanced Models

Includes ALL features as shown on left plus...

- Hi Contrast reversible color LCD
- Storage of 20,000 datasets (RH, Ta, Ts, Td, Ts–Td) in up to 1,000 batches and sub-batches. Stored readings can be viewed or downloaded
- **NEW!** WiFi technology wirelessly synchronizes with PosiTector.net, downloads software updates, and connects to mobile devices for expanded functionality
- Auto Log Mode automatically records all 5 parameters at user selected time intervals. Data can be streamed via USB or WiFi at each interval. Runs unattended on batteries for up to 8 months or continuously via USB
- On screen help, real time graphing, picture prompting, and batch notes
- Data transfer via USB to a PC or via Bluetooth® Wireless Technology to a PC or printer
- User defined limits for all parameters with visible and audible warnings
- Wet Bulb temperature can be displayed
- Trend Charts graph readings in real-time

Advanced model display shown in Memory Mode with real-time graphing



Select from 2 Probe Styles

Built-in Probe

- Includes built-in surface temperature sensor

Separate Probe

- Includes magnetic surface temperature sensor with armored cable. Ideal for unattended auto logging during work shift or at night
- Includes magnetic mount for rubber holster to attach the instrument onto steel structures
- Accepts other optional K-type sensors

Tough 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

**Advanced model
shown in Memory
and Alarm Modes**

Universal body
accepts all
PosiTector DPM,
6000 and SPG probes

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

Multi-function
navigation button

Shock-absorbing,
protective rubber
holster with belt clip
and wrist strap

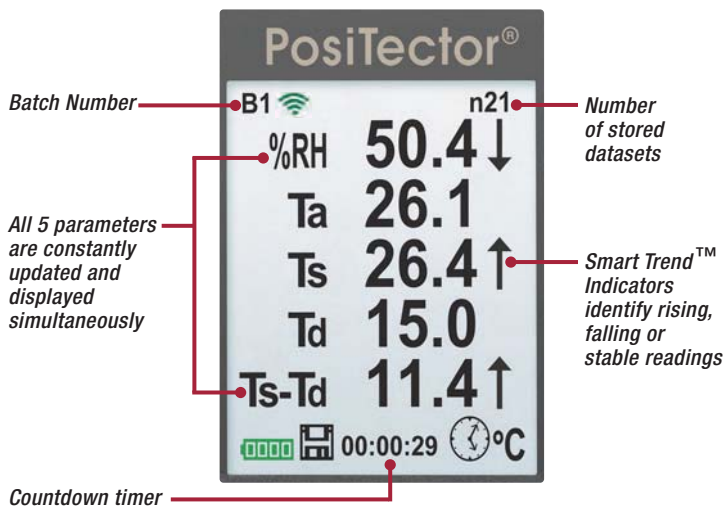
Air temperature and
humidity sensor

White sensor housing reduces
the effect of direct sunlight

Built-in thermocouple surface
temperature sensor



Example of Advanced model with Auto Log Display



PosiTector.net by DeFelsko

Home

My Gages

What's New

My Account

where your gage
meets the cloud™

PosiTector.net



**A free web-based
application offering
secure centralized
management of
measurement data**

- Synchronize measurement data when connected via USB or WiFi (Advanced models only)—readings are uploaded to a secure server; images and batch notes are downloaded to your instrument
- Manipulate uploaded data using a standard internet web browser from any location in the world—jobsite 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



**Flip Display enables right-side-up
viewing in any position**



Universal body accepts all PosiTector® DPM, 6000 and SPG probes



Analyze uploaded readings using a web browser from anywhere – jobsite or head office.

Additional K-type Sensors for use with separate probe

- **Hand-held Surface Temperature Sensor** – for spot checking hard-to-reach surfaces
- **Self-adhering Surface Temperature Sensor** – sticks to solid materials including aluminum, wood, concrete, etc. Ideal for unattended monitoring
- **Liquid Temperature Sensor** – general purpose sensor with stainless steel shaft

Accessories

Bluetooth™ Printer receives data from Advanced models

Rechargeable Batteries – a set of eneloop NIMH AAA batteries

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

Protective Lens Shields protect the display from overspray



Probe Style	Built-in	Separate	Specifications	Range	Accuracy	Resolution
Ordering Guide			Surface Temperature	-40° to 80° C	± 0.5° C	0.1° C
				80° to 190° C	± 1.5° C	
				-40° to 175° F	± 1° F	0.1° F
				175° to 375° F	± 3° F	
Standard	DPM1	DPMS1	Air Temperature	-40° to 80° C	± 0.5° C	0.1° C
Advanced	DPM3	DPMS3		-40° to 175° F	± 1° F	0.1° F
			Humidity	0 to 100%	± 3%	0.1%

All Instruments Come Complete with humidity, air and surface temperature sensors, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap (Built-in probe models), hard shell carrying case (Separate probe models), protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two (2) year warranty.

Size: 159 x 61 x 31 mm (6.25 x 2.4 x 1.2 in.)

Weight: 150 g (5.3 oz.) without batteries

Conforms to ISO 8502-4, BS 7079-B4, ASTM D3276 and US Navy NSI 009-32, IMO PSPC, SSPC-PA7 and others



PosiTector® **UTG**

Ultrasonic Thickness Gage

Measures the wall thickness of materials such as steel, plastic and more



UTG M Thru-Paint models measure the metal thickness of a painted structure without having to remove the coating.

UTG C3 Advanced model shown with Corrosion Probe



DeFelsko®
The Measure of Quality



Available on the
App Store

PosiTector® Ultrasonic Thickness Gages

All Gages Feature...

Simple

- Enhanced one-handed menu navigation
- Pre-programmed velocities—simply select from a list of common materials or enter your own with ease
- **SmartCouple™** mode eliminates unintentional decoupling—ensures continuous measurements while measuring on scaled or pitted surfaces—ideal for analyzing large areas using multiple passes
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Impact resistant lens
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on body AND probe

Accurate

- Precision transducers provide fast, accurate readings
- Certificate of Calibration showing traceability to NIST included
- Conforms to national and international standards including ASTM E797
- Built-in temperature compensation ensures measurement accuracy

Versatile

- Universal Gage Body accepts all PosiTector UTG, 6000, DPM and SPG probes
- Flip display enables right-side-up viewing
- Selectable display languages
- Hi contrast backlit display for bright or dark environments
- Single or two point adjustment
- Inch/mm switchable
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Min Scan mode—measurement rate of up to 20 readings per second with onscreen min/max for quick inspection over a large area
- 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
- Screen Capture—record and save screen images into USB flash memory for record keeping and review
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- Every stored measurement is date and time stamped
- Software updates via web keep your gage current
- Connects to PosiTector.net (see next page)

USB mass storage—
stored readings
and graphs can be
accessed using
universal PC/Mac
web browsers
or file explorers.
No software required



Gage Selection

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

- Monochrome display with transfective 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
- Store thickness, profile and environmental measurements in individual batches
- Onscreen help, real time graphing, picture prompting, and more...
- Onscreen batch annotation—add notes and change batch names with the built-in keyboard
- **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
- A-Scan with adjustable Gain and screen capture
- B-Scan—displays a cross sectional profile of the test material



UTG C1
Standard
model

Select from 2 Probe Styles

UTG C – Corrosion Probe

Measures the wall thickness of materials such as steel, plastic and more. Ideal for measuring the effects of corrosion or erosion on tanks, pipes, or any structure where access is limited to one side

- 5 MHz dual element transducer with durable PEEK probe tip
- Automatic V-Path compensation for thin materials



Stainless steel probes
with knurled
fingergrasp

UTG M – Multiple-Echo Probe

Features Thru-Paint capability to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating. The most accurate method to measure the remaining wall thickness of a painted structure because it automatically disregards the coating, lowering inspection time and expense. Also ideal for measuring on sandblasted materials or other applications requiring a durable wear face.

- 5 MHz contact probe with wear resistant Alumina probe tip
- **Multiple Echo** technique averages 3 or more echoes for accurate and reliable readings
- Toggle easily between
 - Multiple Echo** mode to eliminate coating thickness and...
 - Single Echo** mode to detect pits and flaws, and to increase the measurement range



Tough **NEW** Features

Sealed USB port
for communicating
with a PC or Mac

Water and dust
resistant—weatherproof

Hi Resolution Color LCD

**Advanced model
shown in B-Scan**

Scratch, solvent, and
impact resistant lens

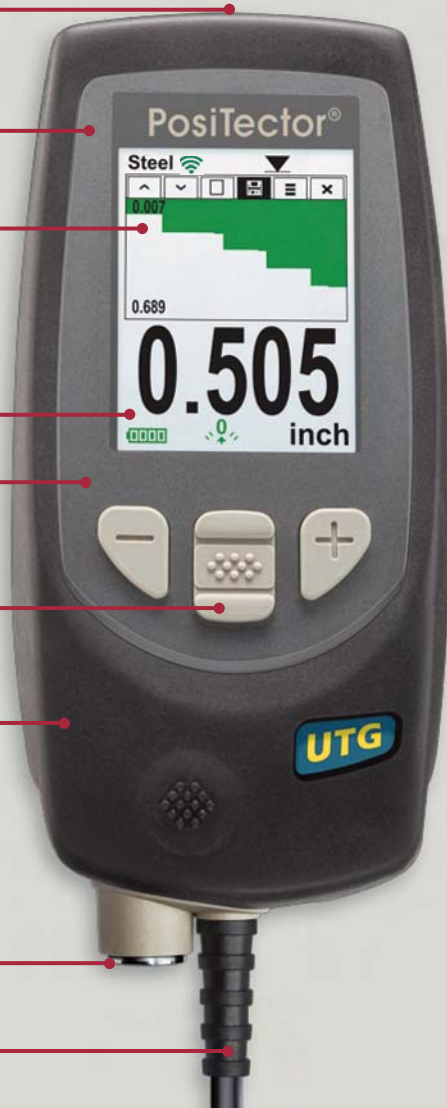
Solvent, acid, oil resistant,
hi-grade, industrial housing

Multi-function
navigation button

Shock-absorbing,
protective rubber holster

Zero Plate

Quality high-flex cable
and strain relief



UTG M Multiple Echo Thru-Paint probe measures the thickness of a painted structure without having to remove the coating.



**UTG C3
Advanced
model**

Measure the
thickness of metal,
plastics and more

PosiTector.net by DeFelsko

Home My Gages What's New My Account

where your gage meets the cloud™

PosiTector.net

Included web-based application offers secure centralized management of measurement data

- Synchronize measurement data when connected via USB or WiFi (Advanced models only)— readings are uploaded to a secure server; images and batch notes are downloaded to your instrument
- Manipulate uploaded data using a standard internet web browser from any location in the world — jobsite or head office
- Generate reports and graphs with annotation 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



Visit www.defelsko.com/applications.htm to view
Inspection Application Notes

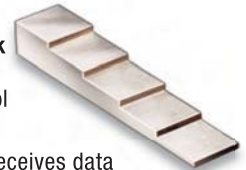
PosiTector^{UTG} ORDERING GUIDE

Probe Style	UTG C Corrosion Probe	UTG M Multiple Echo Probe	
Standard Model	UTG C1	UTG M1	
Advanced Model	UTG C3	UTG M3	
Probe Type	5 MHz Dual Element	5 MHz Contact	
Mode	Single Echo	Single Echo	Multiple Echo
Measurement Range*	0.040" to 5.000" 1.00 to 125.00 mm	0.100" to 5.000" 2.50 to 125.00 mm	0.100" to 2.500" 2.50 to 60.00 mm
Thru-Paint Capability	no	no	yes
Measurement Rate – Normal	6 readings/sec	4 readings/sec	
Measurement Rate – Scan	20 readings/sec	4 readings/sec	
Resolution	0.001" 0.01 mm	0.001" 0.01 mm	
Accuracy	±0.001" ±0.03 mm	±0.001" ±0.03 mm	

* Measurement range is for carbon steel and depends upon surface condition, temperature and material.

Accessories

- **Calibration Test Block** to fulfill both ISO and in-house quality control requirements
- **Bluetooth™ Printer** receives data from Advanced models



- **Rechargeable Batteries**—a set of eneloop NiMH AAA batteries
- **AC Power Kit** for continuous operation or battery charging—works in any country
- **Protective Lens Shields** protect the display from overspray and debris

Universal Gage Body

- Universal Gage Body accepts all PosiTector **UTG**, **6000**, **SPG** and **DPM** probes



Coating Thickness



Surface Profile



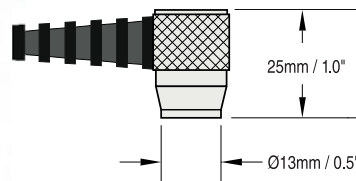
Environmental



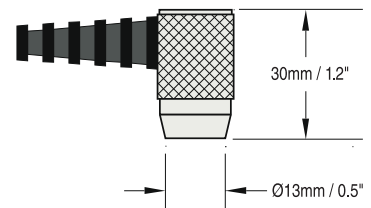
Ultrasonic Wall Thickness

Probe Details

UTG C – CORROSION



UTG M – MULTIPLE ECHO



ALL GAGES COME COMPLETE with body and probe, couplant, protective rubber holster, 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, PosiTector.net account, two (2) year warranty.

SIZE: 146 x 61 x 28 mm (5.75" x 2.4" x 1.1")

WEIGHT: 140 g (4.9 oz.) without batteries
Conforms to ASTM E797



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techsale@defelsko.com www.defelsko.com



PosiTector[®] *SPG*

Surface Profile Gage



Measures and records
peak to valley
surface profile height



DeFelsko[®]
The Measure of Quality



Available on the
App Store



PosiTector® *Surface Profile Gage*

All Gages Feature...

Simple

- Fast measurement rate of over 50 readings per minute – ideal for quickly and accurately measuring large surface areas
- Enhanced one-handed menu navigation
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant – weatherproof
- 60° angle tungsten carbide tip for long life and continuous accuracy – field replaceable
- Rugged, outdoor/indoor instrument – ideal for field or shop use
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on body and probe

Accurate

- Built-in temperature compensation ensures measurement accuracy
- Certificate of Calibration showing traceability to NIST included
- Glass zero plate and metal shim included
- Conforms to national and international standards including ISO and ASTM

Versatile

- Universal gage body accepts ALL PosiTector SPG, DPM and 6000 probes
- 30° angle interchangeable probe tip available for special applications
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Continually displays/updates average, standard deviation, min/max thickness and number of readings
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- Every stored measurement is date and time stamped
- 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
- Software updates via web keep your gage current
- Connects to PosiTector.net

PosiTector *SPG* Ordering Guide

Standard	SPG1
Advanced	SPG3
Range	0 – 500 μ m (0 – 20 mils)
Accuracy	\pm (5 μ m + 5%) \pm (0.2 mil + 5%)

Select Standard or Advanced Features

Standard Model

Includes ALL features as shown on left plus...

- Monochrome display
- Storage of 250 readings—stored readings can be viewed or downloaded

Advanced Model

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
- SmartBatch™ allows entry of user-defined parameters and criteria to comply with various standards and test methods
- On screen 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

Advanced Model display shown in Memory mode with real-time graphing



Accessories

- Replacement Tungsten Carbide Probe Tips – 2 angles available 60° or 30°, includes replacement tool
- Bluetooth® Printer receives data from Advanced Models
- AC Power Kit for continuous operation or battery charging – works in any country
- Rechargeable Batteries – a set of eneloop NiMH AAA batteries
- Protective Lens Shields protect the display from overspray

All Gages Come Complete with glass zero plate, metal shim, 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 ASTM D4417-B, AS 3894.5-C (with optional 30° tip angle), U.S. Navy NSI 009-32, SANS 5772 and others

PosiTest[®] *AIR*

Leak Tester

**Quickly and easily detect
air and water leaks in
building envelopes and
rigid air barrier systems**

**Ideal for testing penetrations
(fasteners, masonry
ties, etc.) and
continuity of joints
and seams in rigid
air barrier systems.**

FOR USE WITH...

- Single and two-ply membranes
- Liquid applied membranes
- Sprayed Polyurethane Foam (SPF)
- Boardstock
- Metal Liners
- Exterior Insulation and Finish Systems (EIFS)
- EPDM roofing systems
- Waterproofing and more

DeFelsko[®]

The Measure of Quality



PosiTest[®]AIR Leak Tester

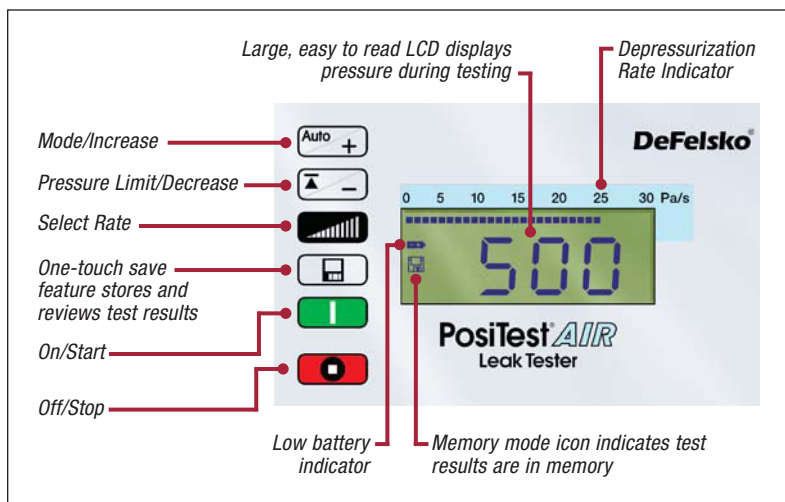
Ideal for testing penetrations
(fasteners, masonry ties, etc.)
and continuity of joints and
seams in rigid air barrier systems



Bubbles indicate an air leak.
An estimate of the relative size
of the leak can be made based
on the size and speed with
which bubbles form.

Features

- **Automatic mode** depressurizes the test chamber at a user-selectable rate and limit
- **Manual mode** allows the user to control the rate of depressurization
- Internal memory stores up to 200 test results with rate, time duration, limit and user-entered Pass/Fail conclusion
- Portable, lightweight tester can be used in any position
- Environmentally sealed enclosure—dustproof and waterproof
- Built-in rechargeable batteries perform up to 200 tests per charge. Continue testing with AC power while batteries recharge. Supplied with universal AC adapter
- High accuracy pressure sensor
- Conforms to National Standards including ASTM E1186
- Comes with everything needed for testing
- Includes FREE downloadable PosiSoft[®] 3.0 Desktop Software for PC
- One year warranty



5' (1.5 m) super
flexible, high
durability hose

Clear, high impact
polycarbonate test
chamber provides
unobstructed view

Soft rubber
chamber seal

Quick disconnects for
easy assembly

Environmentally sealed metal enclosure

Sealed USB port for
communicating with a PC

AC Adapter port charges
batteries or powers tester

Convenient shoulder strap

Variable speed centrifugal fan allows for different rates of depressurization

TESTER COMES COMPLETE with shoulder strap, high impact polycarbonate test chamber, durable 5' (1.5 m) hose with quick disconnect couplings, built-in rechargeable NiMH batteries with charger (AC power supply), 8 oz. test solution with dauber (qty. 4), instruction manual, USB cable, PosiSoft 3.0 Desktop Software (available as a free download), Certificate of Calibration traceable to NIST, one (1) year warranty and soft-sided nylon carrying case

Options

- **Test Solution:** additional 8 oz. bottles available (case of 16)

Lightweight
carrying case

Specifications

Pressure Differential Range	100–900 Pa
Rate of Depressurization	5–30 Pa/sec
Test Chamber Size	Ø16" (40 cm) Base
Resolution	1 Pa
Accuracy	± (10% + 10 Pa)
Carrying Case Dimensions	38 cm (15") x 48.3 cm Ø (19")
Weight	3.8 kg / 8.5 lbs.
Shipping Weight	6.7 kg / 14.7 lbs.

Conforms to ASTM E1186



DeFelsko[®]
The Measure of Quality

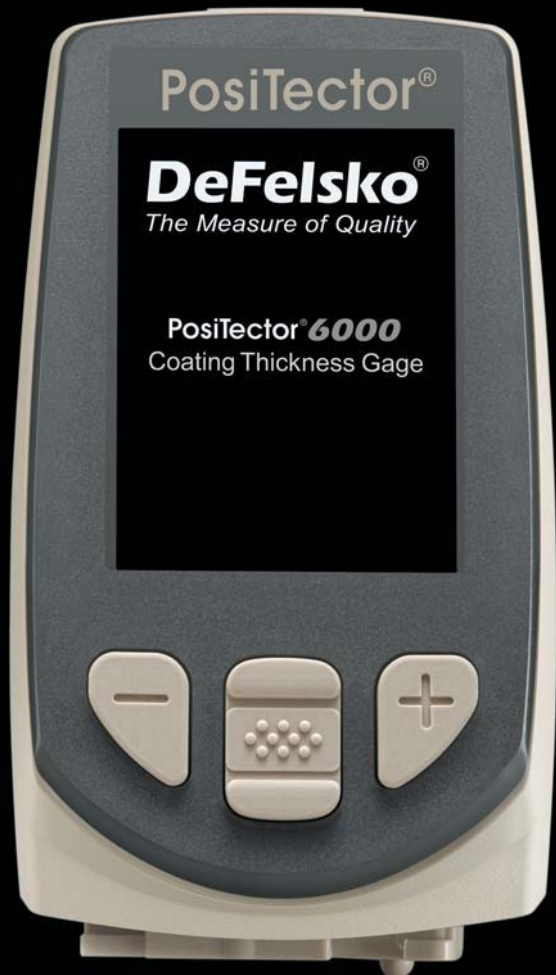
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techsale@defelsko.com www.defelsko.com


Made in U.S.A.

PosiTector® *Inspection Kits*

Each Inspection Kit contains:

- PosiTector Gage Body—Standard or Advanced
- PosiTector **6000** Coating Thickness Probe—select from a variety of measurement ranges and probe styles
- PosiTector **DPM** Environmental Probe
- PosiTector **SPG** Surface Profile Probe



KITF3 Shown



PosiTector body accepts all PosiTector **6000**, **DPM** and **SPG** probes easily converting from a coating thickness gage to a dew point meter or surface profile gage.

Select Standard or Advanced Features for a complete comparison visit www.defelsko.com/kits/kit_features.htm

Standard Model Inspection Kits

Each Standard Kit contains the **PosiTector Standard** gage body and 3 probes—coating thickness, environmental and surface profile.

Features include:

- Monochrome display with transfective technology enhances sunlight readability
- Gage stores readings for one probe at a time

Coating Thickness with Standard Models

- Storage of 250 readings—stored readings can be viewed or downloaded

Environmental Monitoring with Standard Models

- Storage of 2,500 datasets (RH, Ta, Ts, Td, Ts-Td). Stored readings can be viewed or downloaded.
- Auto Log Mode automatically records all 5 parameters at user selected time intervals. Runs unattended on batteries for up to 50 hours or continuously via USB

Surface Profile with Standard Models

- Storage of 250 readings—stored readings can be viewed or downloaded

Custom Inspection Kits

- Build your own Inspection Kit from a selection of gage bodies and probes to suit your needs.
- Universal body accepts all PosiTector **6000**, **200**, **DPM**, **SPG** and **UTG** probes



Advanced Model Inspection Kits

Each Advanced Kit contains the **PosiTector Advanced** gage body and 3 probes—coating thickness, environmental and surface profile.

Features include:

- Hi Contrast reversible color LCD
- Storage of 100,000 readings in up to 1,000 batches and sub-batches. Easily store thickness, climatic conditions and profile height in multiple batches.
- Batch annotation—add notes, change batch names and more with built-in QWERTY keyboard
- Onscreen help, real time graphing, picture prompting and more
- WiFi technology wirelessly synchronizes with PosiSoft.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

Coating Thickness with Advanced Models

- 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

Environmental Monitoring with Advanced Models

- Storage of 20,000 datasets (RH, Ta, Ts, Td, Ts-Td) in up to 1,000 batches. Stored readings can be viewed or downloaded.
- Auto Log Mode automatically records all 5 parameters at user selected time intervals. Data can be streamed via USB or Bluetooth at each interval. Runs unattended on batteries for up to 8 months or continuously via USB
- User defined limits for all parameters with visible and audible warnings
- Wet bulb temperature can be displayed
- Trend charts graph readings in real-time

Surface Profile with Advanced Models

- SmartBatch™ allows entry of user-defined parameters and criteria to comply with various standards and test methods

Kits Come Complete with a gage body (Standard or Advanced), coating thickness probe (user selected), environmental probe, surface profile probe, precision plastic shims, glass zero plate and metal shim, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, 3 instruction manuals, hard shell case, protective lens shield, 3 Long Form Certificates of Calibration traceable to NIST, USB cable and 2 year warranty on gage body and probes.

Case Size: 30 cm (L) x 25 cm (W) x 10 cm (D); 12" (L) x 10" (W) x 4" (D)

Weight: 1.3 kg (2.8 lbs.)



Ordering Guide

Inspection Kit	PosiTector Body	Coating Thickness Probe
KITF1	Standard	6000-F
KITFS1		6000-FS
KITFN1		6000-FN
KITFNS1		6000-FNS
KITF3	Advanced	6000-F
KITFS3		6000-FS
KITFN3		6000-FN
KITFNS3		6000-FNS

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.

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")



S1 Ferrous



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 100B, 200, 200B	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 100C	375 µm 15 mils	1.5 mm 60 mils	2.5 mm 100 mils	4.5 mm 185 mils		
P4	PosiTector 100D	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 200C	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 FLS, 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.

DeFelsko Plastic Shims

- Simulate a coating over a particular substrate material or shape. Gage performance can be conveniently verified on a regular basis as required by some international test methods
- For use with all Type 2, electronic coating thickness gages
- Protects the probe from damage or premature wear when placed over hot or abrasive surfaces
- Can be placed on top of soft or tacky coating films to obtain thickness measurements without the gage probe depressing the coating film

Certified Plastic Shims

- Certified shims provide an economical alternative to Coated Metal Plates but have a reduced accuracy
- Each shim is packaged in its own protective plastic pouch
- Certificate of Calibration showing traceability to NIST is included with each shim or set of shims
- Certified and labeled in both Metric and Imperial units



Certified Plastic Shims



Steel and aluminum zero plates are available

Order Code	Approximate Thickness	Color	Accuracy
CS1	25 μm (1 mil)	Orange	+/- 2 μm (+/- 0.08 mils)
CS2	50 μm (2 mils)	Red	
CS3	75 μm (3 mils)	Green	
CS5	125 μm (5 mils)	Blue	
CS10	250 μm (10 mils)	Brown	
CS20	500 μm (20 mils)	Yellow	
CS40	1000 μm (40 mils)	White	
CS60	1500 μm (60 mils)	Black	
CSS	Complete set of 8		

Non-Certified Plastic Shims

- Provide a quick operational check of the instrument by allowing the user to perform practice measurements
- Can be used to protect the probe when measuring on tacky, rough or hot surfaces
- Labeled in both Metric and Imperial units
- Available as a set of 5 (below)

Approximate Thickness	Color	Accuracy
25 μ m (1 mil)	Orange	+/- 20%
50 μ m (2 mils)	Red	+/- 10%
125 μ m (5 mils)	Blue	+/- 5%
250 μ m (10 mils)	Brown	+/- 5%
500 μ m (20 mils)	Yellow	+/- 5%



Non-Certified Plastic Shims

A package of 5 non-certified shims is included with all DeFelsko electronic coating thickness gages (Type 2).

Note: Shims are generally not acceptable for use with Type 1, magnetic pull-off gages such as the PosiTest and PosiPen.

PosiSoft® Solutions

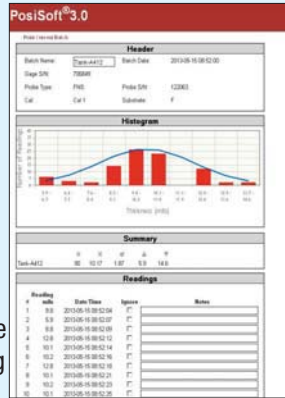
Suite of Software

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

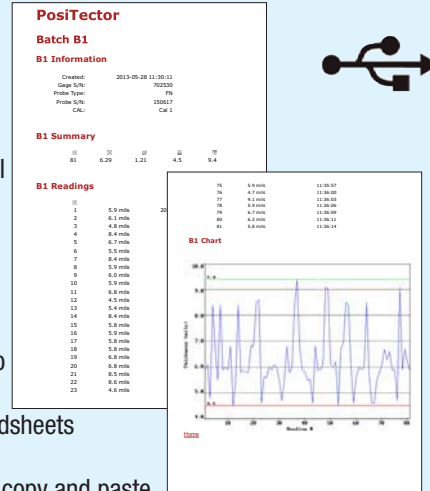
- Import (download) measurement data via USB (all gages) or WiFi (PosiTector Advanced models only)
- Customize reports by adding pictures, logos, screen captures, notes and more
- Measurement data is copied (imported) from the instrument to a user selectable location — ideal for storing and sharing data 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

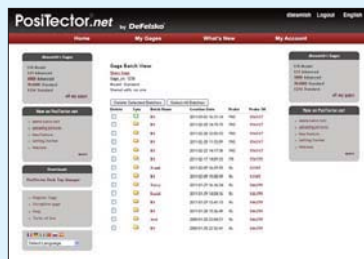


Preformatted HTML reports are stored in the gage.

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



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 techsales@defelsko.com www.defelsko.com

DeFelsko Corporation, a U.S. manufacturer of coating thickness gages and inspection instruments, has been providing **Simple, Durable and Accurate** gages since 1966.

Our state-of-the-art facility in Ogdensburg, New York houses research, manufacturing, sales, service, and shipping departments. Every gage is inspected under our strict quality guidelines.

In addition to high product quality we are proud to offer the **DeFelsko Advantage:**

Technical Support

Our highly trained technical support team is dedicated to solving problems quickly. Call or email our technical department for all questions including order status, sales, technical, quality & calibration, accounting, shipping or general information.

Fast Service

Our service department's goal is to evaluate your gage and contact you within one (1) day of our receiving the gage in for service or calibration.

On-Site Manufacturing

All parts are available on-site which gives us the ability to repair gages quickly and ship most gages within one day anywhere in the world.

DeFelsko®

Contact Information

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