PosiTector® 6000 Series

Coating Thickness Gages for ALL Metal Substrates

WiFi

www.itm.com

information@itm.com
1.800.561.8187

DeFelsko®
The Measure of Quality
PosiTector® 6000 Series

All Gages Feature...

Simple
- Ready to measure—no calibration adjustment required for most applications
- Enhanced one-handed menu navigation
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

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

Accurate
- Certificate of Calibration showing traceability to NIST included
- Built-in temperature compensation ensures measurement accuracy
- Hi-RES mode increases displayed resolution for use on applications that require greater precision
- Conforms to national and international standards including ISO and ASTM

Versatile
- PosiTector body universally accepts all PosiTector 6000, SPG and DPM probes easily converting from a coating thickness gage to a surface profile gage or dew point meter
- Multiple Calibration adjustment options including 1 point, 2 point, known thickness, average zero
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- Extended cables available (up to 75 m/250 ft) for remote measuring
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful
- Continually displays/updates average, standard deviation, min/max thickness and number of readings while measuring
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- FAST mode—faster measurement speed for quick inspection
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- USB mass storage—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required
- Every stored measurement is date and time stamped
- Software updates via web keep your gage current
- Connects to PosiTector.net (see far right panel)

Probes available for a variety of applications

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 Substrate

Select Standard or Advanced Features

Standard Models
- Includes ALL features as shown on left plus...
  - Monochrome display
  - Storage of 250 readings—stored readings can be viewed or downloaded

Advanced Models
- Includes ALL features as shown on left plus...
  - Hi Contrast reversible color LCD
  - Storage of 100,000 readings in up to 1,000 batches and sub-batches
  - Onscreen help, real time graphing, picture prompting and batch notes
  - NEW! WiFi technology wirelessly synchronizes with PosiTector.net, downloads software updates, and connects to mobile devices for expanded functionality
  - Data transfer via USB to a PC or via Bluetooth Wireless Technology to a PC or printer
  - Scan mode—take continuous readings without lifting the probe
  - Multiple stored calibration adjustments for measuring on a variety of substrate conditions
  - SSPC PA2 feature determines if film thickness over a large area conforms to user-specified min/max levels
  - PSPC 90/10 feature determines if a coating system complies with an IMO performance standard for protective coatings

Select from a variety of measurement ranges and probe styles
(see back page ordering guide)

Heavy-duty, gold-plated locking connector for industrial environments

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

For measuring paint, powder, etc. on all metals...

...and for measuring galvanizing, plating, anodizing and more.
Rugged Features...

- Sealed USB Port for communicating with a PC or Mac
- Water and dust resistant—weatherproof
- Hi resolution color LCD
- Scratch/solvent/impact resistant lens
- Multi-function navigation button
- Solvent, acid, oil resistant, hi-grade, industrial strength housing
- Stainless steel probe with knurled finger grip
- Strong wear-resistant ruby-tipped probe
- All Regular Separate Probes are suitable for underwater use

Advanced Model shown in Memory mode

- Quality high-flex cable and strain relief

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

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

Flip Display enables right-side-up viewing

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

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

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

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PosiTector®
6000 Series
ORDERING
GUIDE

Non-Magnetic Coatings over FERROUS Metals (Steel and Iron)
Standard Advanced
F F1 F3
FS FS1 FS3
FRS FRS1
FOS FOS1
F4S1 F4S3
F9S1 F9S3
FT FT1 FT3
FTS FTS1 FTS3
FKS FKS1 FKS3

Non-Conductive Coatings on NON-FERROUS Metals (Aluminum, Copper, etc.)
Standard Advanced
N N1 N3
N1 N1S N1S3
N3 N3S N3S3
NAS NAS1 NAS3
NAS1 NAS3 N4S1
NAS3 N4S3 N4S3S3
N0S N0S1 N0S3
N0S1 N0S3 N0S3S3
N45S N4S1 N4S3
N4S1 N4S3 N4S3S3
N90S N90S1 N90S3
N90S1 N90S3 N90S3S3
NKS NKS1 NKS3

Combination ALL METALS
Standard Advanced
FN FN1 FN3
FN1 FN1S FN3S
FN3 FN3S FN3S3
FNS FNS1 FNS3
FNS1 FNS3 FNS3S3
FNRS FNRS1 FNRS3
FNRS1 FNRS3 FNRS3S3
FNTS FNTS1 FNTS3
FNTS1 FNTS3 FNTS3S3
FKS FKS1 FKS3
FKS1 FKS3 FKS3S3

Range
0 – 60 mils
0 – 1500 μm
Ferrous: 0 – 45 mils and 0 – 1150 μm
Non-Ferrous: 0 – 25 mils and 0 – 625 μm
0 – 250 mils
0 – 6 mm
0 – 500 mils
0 – 13 mm

Accuracy*
 ±(0.05 mils + 1%) 0 – 2 mils
±(0.1 mils + 1%) > 2 mils
±(1 μm + 1%) 0 – 50 μm
±(2 μm + 1%) > 50 μm
±(0.02 mils + 1%) 0 – 4 mils
±(0.1 mils + 3%) > 4 mils
±(0.5 μm + 1%) 0 – 50 μm
±(2 μm + 3%) > 50 μm
±(0.5 mil + 1%) 0 – 100 mils
±(0.5 mil + 3%) > 100 mils
±(0.1 mm + 1%) 0 – 2.5 mm
±(0.1 mm + 3%) > 2.5 mm
±(1 mil + 3%) 0 – 500 mils
±(0.02 mm + 3%) 0 – 13 mm

Matching DeFelsko Calibration Standards
STDS1 STDS2
STDA1 STDA2
STD1
STD5

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

Probe Details

REMovable BUILT-IN
REGULAR & FTS
90˚ REGULAR
F0S & N0S WITH ADAPTER
F4S & N4S
F9S & N90S
FNTS, FKS & NKS

ALL GAGES COME COMPLETE with precision plastic shims, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two (2) year warranty.

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

WEIGHT: 140 g (4.9 oz.)
without batteries

Conforms to ISO 2178/2360/2808,
PrEN ISO 19840, ASTM B499/D1186/
D1400/D7091/E376/G12, BS3900-C5,
SSPC-PA2 and others

Options

Bluetooth Printer receives data from Advanced models
AC Power Kit for continuous operation or battery charging—works in any country
Coating Thickness Standards to fulfill both ISO and in-house quality control requirements
Rechargeable Batteries—a set of eneloop NiMH AAA batteries
Protective Lens Shields protect the display from overspray