Coating Thickness Gauges for All Metal Substrates

**PosiTector 6000 Series**

**Probe Details** (all probe details can be found online at www.defelsko.com/probes)

- **FN1**, **FN3**: Advanced models only
- **N1**, **N3**: Standard models
- **F1**, **F3**: Advanced models for ferrous and non-ferrous materials
- **NFS1**, **NFS3**: Integral and cabled models for non-ferrous materials
- **FNS1**, **FNS3**: Integral and cabled models for ferrous materials
- **FS1**, **FS3**: Cabled models for ferrous materials
- **F0S1**, **F0S3**: Cabled models for non-ferrous materials
- **FT1**, **FTS1**: Aluminum and anodized probes
- **F0S1**, **F0S1**: Non-ferrous probes
- **FN1**, **FN3**: Ferrous probes

**Probe Specifications**

- **Probe Materials**
  - **FN1**, **FN3**: Advanced models for ferrous and non-ferrous materials
  - **N1**, **N3**: Standard models
  - **F1**, **F3**: Advanced models for ferrous and non-ferrous materials
  - **NFS1**, **NFS3**: Integral and cabled models for non-ferrous materials
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  - **FT1**, **FTS1**: Aluminum and anodized probes
  - **F0S1**, **F0S1**: Non-ferrous probes
  - **FN1**, **FN3**: Ferrous probes

**Probe Range**

- **FN1**, **FN3**: Advanced models for ferrous and non-ferrous materials
  - **N1**, **N3**: Standard models
  - **F1**, **F3**: Advanced models for ferrous and non-ferrous materials
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  - **FT1**, **FTS1**: Aluminum and anodized probes
  - **F0S1**, **F0S1**: Non-ferrous probes
  - **FN1**, **FN3**: Ferrous probes

**Probe Accessories**

- **USB cable**: For use with computer or printer
- **PosiSoft software**: Included with purchase
- **2-year warranty** for all models

**Technical Data**

- **Probe Dimensions**: (5.4” x 2.4” x 1.1”)
- **Weight**: Without batteries
- **Calibration Standards**: Conforms to ISO 2178/2360/2808, ISO 19840, ASTM B244/B499/D1186/D1400/D7091/E376/G12, BS3900-C5
- **Features**: USB adapter for use with computer, protective holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, convenient carrying case, long form certificate, USB cable, PosiSoft software, two (2) year warranty.
Probes available for a variety of applications

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

Advanced Models
- Includes ALL features as shown on left plus:
  - Storage of 100,000 readings from multiple probes in up to 1,000 batches and sub-batches.
  - Live graphing of measurement data.
  - 3 Scan Modes—increases measurement speed to 180+ readings per minute.
    - Normal—take continuous readings without lifting the probe.
    - New Statistics—take continuous readings and record average, standard deviation, min/max and number of readings while scanning.
    - New Limited Count Average—take continuous readings up to a user-specified count. The gage displays and records the average of the readings.
  - Multiple storage calibration adjustments for measuring on a variety of substrate conditions.
  - SPSC-PA 2 feature determines if film thickness over a large area conforms to user-specified min/max levels.
  - New SPSC-90/100/900 feature determines if a coating system complies with an IMC performance standard for protective coatings.
  - WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates.
  - iHarisolf-4.0 Technology for data transfer to a mobile device running the PosiTector App or optional printer. BLE API available for integration into third-party software.
  - Osmcreen Batch Annotation—adds notes, change batch names and more with built-in QWERTY keyboard.
  - Selectable display languages.
  - High contrast LCD with backlit display.
  - Selectable metric/English display units.
  - High contrast red LED with backlit display.
  - Seam USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
  - PosiTector SmartLink—wirelessly connects PosiTector 6000 probes to your smart device.
  - Stainless steel probe with knurled finger grip.
  - Strong wear-resistant ruby-tipped probe.

Advanced Model shown in Memory Mode
- Quality high-flex cable and strain relief.
- Advanced instrum ents, the PosiTector SmartLink and the PosiTector AT-A to your Android or Apple mobile device.
- 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.

Rugged Features...
- Sealed USB Port for communicating with a PC or Mac.
- Water and dust resistant.
- Multi-function navigation button.
- Solvent, acid, oil resistant, high grade industrial strength housing.
- Scratch/solvent/impact resistant lens.

PosiTector...6000 Series

All Gages Feature...
- Simple
  - New Faster measurement speed—60+ readings per minute.
  - Ready to measure—no adjustment required for most applications.
  - Enhanced one-handed menu navigation.
  - Flashing display—ideal in a noisy environment.
  - Reset feature instantly restores factory settings.
- Durable
  - Solvent, acid, oil, water and dust resistant—weatherproof.
  - Wear-resistant probe tip.
  - Shock-absorbing, protective rubber holster with belt clip.
  - Two year warranty on gage body AND probe.
- Accurate
  - Certificate of Calibration showing traceability to NIST or PTB included.
  - Built-in temperature compensation ensures measurement accuracy.
  - Hi-RES mode increases displayed resolution for use on applications that require greater precision.
  - Conforms to national and international standards including ISO and ASTM.
- Versatile
  - PosiTector body accepts all PosiTector 6000, 200, RT2, SPP, PTP, SST, SHD, DPM, SST, SHD and USM probes easily converting from a coating thickness gage to a surface profile gage, dew point meter, soluble salt tester, Shore hardness durometer or ultrasonic wall thickness gage.
- Power
  - 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.
  - HI-Alarm audible and visible alerts when measurements exceed user-specified limits.
  - New Enhanced FAT mode—95+ readings per minute for quick inspection.
  - Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- Probes available for a variety of applications

All Regular Cabled Probes are available for underwater use.
Probes available for a variety of applications

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

**Advanced Models**
- Includes ALL features as shown on left plus...
- Storage of 100,000 readings from multiple probes in up to 1,000 batches and sub-batches.
- Live graphing of measurement data.
- 3 Scan Modes — increase measurement speed to 180+ readings per minute.
- **Normal** — takes continuous readings without lifting the probe.
- **NEW Statistics** — takes continuous readings and record average, standard deviation, min/max thickness and number of readings while scanning.
- **NEW Limited Count Average** — takes continuous readings up to a user-specified count. The gage displays and records the average of the readings.
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions.
- **SPSC-PA 2 feature determines** if a coating system complies with an ANSI performance standard for protective coatings.
- **WiFi technology** wirelessly synchronizes with PosiSoft.net and downloads software updates.
- **iOS Unsupported** for data transfer to a mobile device running the PosiTest App or optional portable printer.
- **Onscreen Batch Annotation** — add notes, change batch names and more with built-in UNIKERY keyboard.

**PosiTector SmartLink™**
- Wirelessly connect PosiTector 6000 probes to your smart device.
- **Select from a variety of measurement ranges and probe styles** (see back page ordering guide).
- **Cabled Probe Style**
- **Integral Probe Style**
- **Removable Probes** can be detached and replaced with any one of our wide variety of probes.

**Rugged Features**
- Sealed USB Port for communicating with a PC or Mac.
- Water and dust resistant.
- High contrast color LCD with backlit display.
- Scratch/solvent/impact resistant lens.
- Multi-function navigation button.
- Solvent, acid, oil resistant, high grade, industrial strength housing.

**Advanced Model shown in Memory Mode**
- Quality high-flex cable and strain relief.
- Stainless steel probe with knurled finger grip.
- Strong wear-resistant ruby-tipped probe.

**PosiTector App**
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**
- **User Preferences**
- **Self Calibration**
- **Minimum Wall Thickness**

**PosiTector 6000 Series**
All Gauss Feature...

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

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

**Versatile**
- PosiTector body accepts all PosiTector 6000, 200, RTR, SPG, SST, SHD and UTB probes easily converting from a coating thickness gauge to a surface profile gage, dew point meter, soluble salt tester, Shore hardness durometer or ultrasonic wall thickness gage.
- Universal PC/Mac web browsers or file explorers. No software required.
- Includes PosiSoft suite of software for viewing and reporting data:
- **PosiSoft USB Drive**
- **PosiTest App**
- **PosiTector SmartLink**
- **PosiTest AT-A to your iOS or Android smart device**
- Mobile app connects PosiTector Advantged instruments, the PosiTector SmartLink and the PosiTector AT-A to your iOS or Android smart device.
- Mobile app connects PosiTector Advanced instruments, the PosiTector SmartLink and the PosiTector AT-A to your iOS or Android smart device.

**PosiSoft...FREE SOLUTIONS for viewing, analyzing and reporting data:**
- A web-based application offering secured centralize management of readings. Includes customizable, templated PDF Report Generator. Access your data from any web-connected device.

**Probes for...**
- Measuring paint, powder, etc. on metal, plastic, wood, fabric and concrete.
- Measuring adhesives, gaskets, and hard-to-reach areas.
- Measuring varnish, lacquer, and undercoats in automotive applications.
- Measuring zinc and paint in a duplex coating system.
- Measuring aluminum, stainless steel, and copper in industrial applications.
- Measuring galvanizing, plating, anodizing and more.
- Measuring touch-ups and repairs in architectural and decorative applications.
- Measuring zinc and paint in a duplex coating system.

**New Features**
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits.
- Enhanced FAST mode — 90+ readings per minute for quick inspection.
- Standard Models — 10 readings per minute.
- New high-speed / low-speed system.
- **NEW Statistics** — takes continuous readings and record average, standard deviation, min/max thickness and number of readings while scanning.
- **NEW Limited Count Average** — takes continuous readings up to a user-specified count. The gage displays and records the average of the readings.
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions.
- **SPSC-PA 2 feature determines** if a coating system complies with an ANSI performance standard for protective coatings.
- **Sealed USB Port** for fast, simple connection to a PC and to supply continuous power.
- **NEW Enhanced FAST mode — 90+ readings per minute for quick inspection.**
### PosiTector 6000 Series

#### Ordering Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Suitable for regular probe models</td>
</tr>
<tr>
<td>Advance</td>
<td>Suitable for high-precision applications</td>
</tr>
<tr>
<td>Telescopic</td>
<td>Extends the reach and sampling speed of standard probes</td>
</tr>
<tr>
<td>Integral</td>
<td>Suitable for integral and cabled probe models</td>
</tr>
<tr>
<td>Cabled</td>
<td>Suitable for integral and cabled probe models</td>
</tr>
<tr>
<td>Telescopic</td>
<td>Extends the reach and sampling speed of integral and cabled probes</td>
</tr>
</tbody>
</table>

#### Probe Details

- **Conforms to**: ISO 2178/2360/2808, ISO 19840, ASTM B244/B499/D1186/SSPC-PA2 and others
- **Range**:
  - Ferrous: 0–1500 µm, 0–625 µm, 0–38 mm
  - Non-Ferrous: 0–25 mils and 0–625 µm
- **Accuracy**
  - Ferrous: ±0.2 µm, ±0.5 µm, ±1 mil
  - Non-Ferrous: ±0.5 µm, ±0.1 in., ±0.01 in.
- **Scan Modes**
  - 3 Powerful Scan Modes: Advanced models only

#### PosiTector 6000 Systems

- **Microprobes** — For small parts or hard-to-reach areas
- **Large Probes** — Our widest selection of probe models for bulk applications

#### All Gages Come Complete

- Ferrous probes measure non-magnetic coatings on ferrous metals.
- Non-Ferrous probes measure non-conductive coatings on non-ferrous metals.
- All Gages come complete with protection rubber holster, protective lens shield, durable Delrin ring, and convenient carrying case. For a complete list of product features and available options visit www.defelsko.com.

#### Probe Foot Rings

- Durable Delrin ring allows the probe to slide easily while scanning
- Telescopic Probe Extender for use with the PosiTector 6000 FS, FS, NPS, FXS, FNXS, NAD, and FTS probes
- Provides up to 124 cm (49") of reach and collapses to 47 cm (18.5") for easy storage

#### Coating Thickness Standards

- Ferrous probe measures non-magnetic coatings on ferrous metals. Non-Ferrous probe measures non-conductive coatings on non-ferrous metals.
- 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.

#### Support

- For technical support, visit www.defelsko.com or call 1-800-448-3835.

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