

PosiTector® 6000 Series

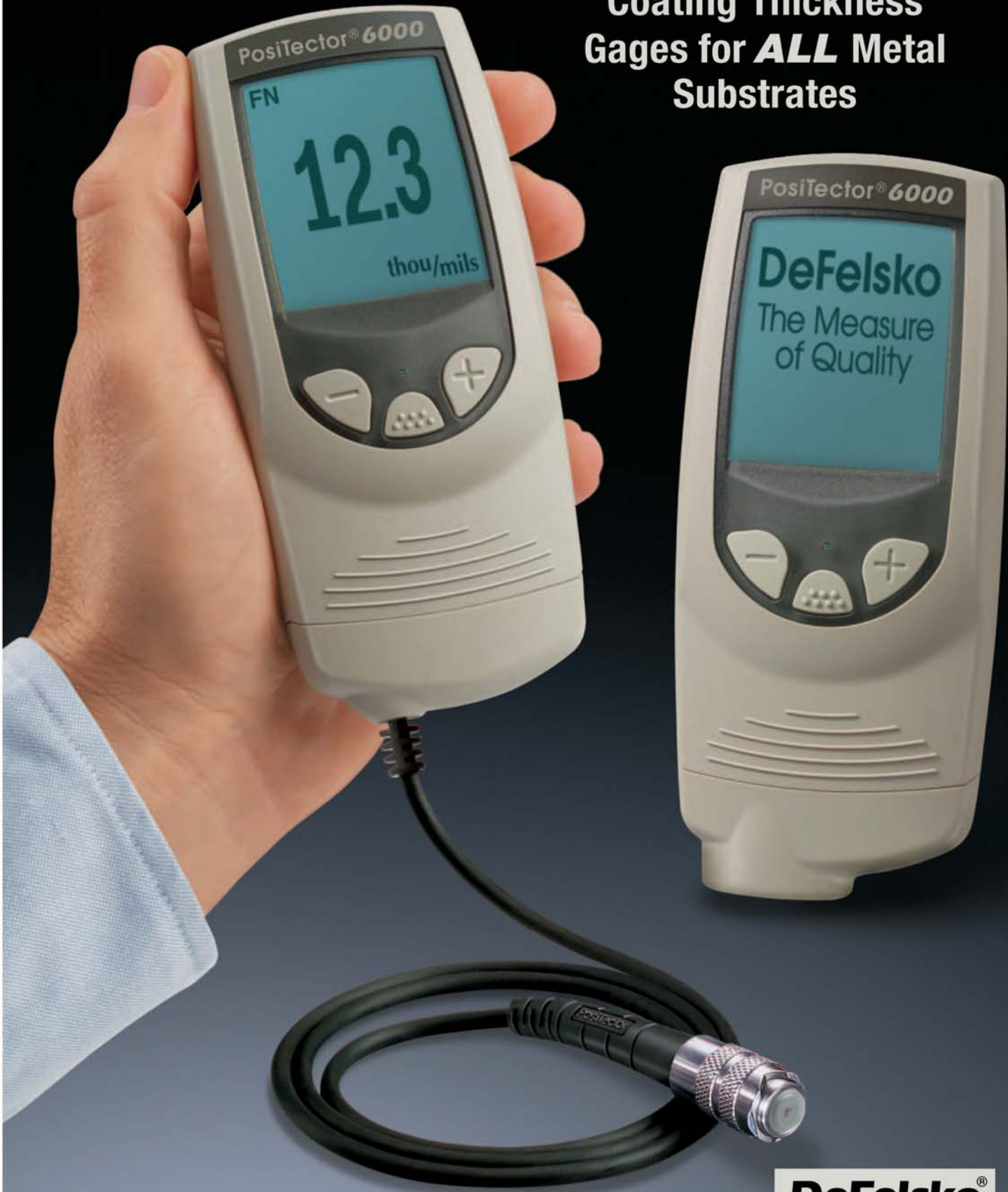
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NEW

Coating Thickness
Gages for **ALL** Metal
Substrates



DeFelsko®

The Measure of Quality

PosiTector® 6000 Series

All Gages Feature...

Simple

- Ready to measure—no calibration adjustment required for most applications
- One-handed menu navigation
- Bi-color indicator light—ideal in a noisy environment
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant—meets or exceeds IP5X
- Wear-resistant probe tip
- Scratch/solvent resistant display suitable for harsh environments
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty

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

- Multiple calibration adjustment options including 1 point, 2 point, known thickness, average zero
- Selectable display languages
- Backlit display for dim or dark environments
- MILS/Microns/mm switchable
- Extended cables available (up to 250 ft/75 m) for remote measuring



Flip Display enables right-side-up viewing

Protective rubber holster with quick-release belt clip and probe storage



Easy steps to select a gage...

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



Select Basic, Standard or Memory model

Basic (1) Models

Includes all features as shown on left

Standard (2) Models

All Basic (1) Gage Features plus...

- Storage of up to 250 readings
- 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
- Built-in IR port for printing to optional wireless printer
- USB port for simple connection to a PC
- Optional PosiSoft software available for downloading readings to a PC for charting and graphing
- Optional serial output cable for data collectors

Memory (3) Models

All Basic (1) and Standard (2) Gage Features plus...

- Storage of 10,000 readings in up to 1000 batches—stored readings can be sub-grouped, viewed, updated or deleted
- Built-in clock to date and time stamp each stored measurement
- SSPC-PA2 feature determines if film thickness over a large area conforms to user-specified min/max levels
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions
- Supplied with PosiSoft software and USB cable

Tough **NEW** Features

- **USB/Serial/IR Ports** for downloading to a PC, printer or data collector (2 and 3 models only)

- **Solvent, acid, oil, water and dust resistant**—meets or exceeds IP5X

- **Scratch and solvent resistant lens**

- **Memory (3) model shown in Memory Mode**

- **Thick impact-resistant Lexan® display**

- **Bi-color indicator light**

- **Hi-grade, industrial strength housing**

- **Shock-absorbing, protective rubber holster**

- **Quality high-flex cable and strain relief**

- **Stainless steel probe with knurled fingergrip**

- **Strong wear-resistant ruby-tipped probe**



All Regular Separate Probes suitable for underwater use

Probes available for a variety of applications



Quick Release Adapter: Converts 0° Microprobe to a constant pressure probe for alignment on small, flat or curved parts



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



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



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

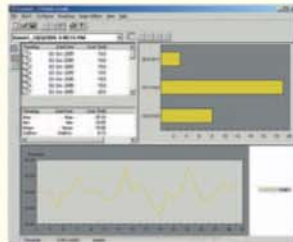


High-Range Probes for thick coatings, e.g. fire proofing, tank linings, etc.

Options

PosiSoft® for Windows® analysis software available for Standard (2) models, included with all Memory (3) models.

- Allows entry of notes and annotations
- Prints and displays basic charts and histograms
- Exports to a document or spreadsheet
- Includes USB cable
- Free updates



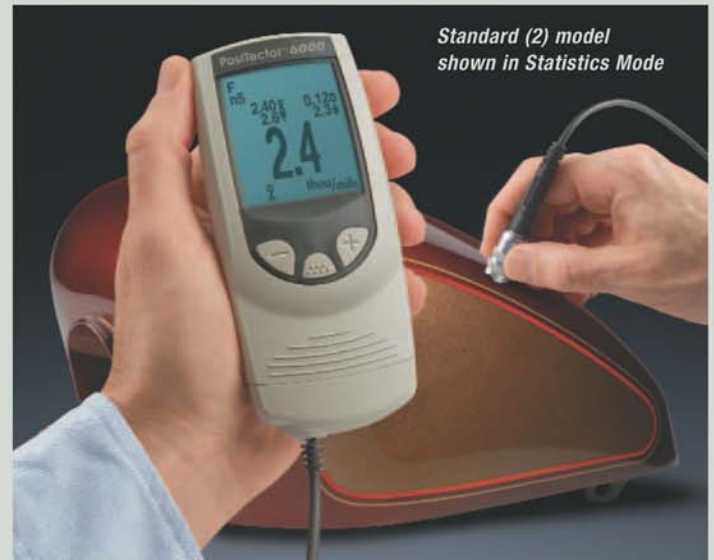
IR Printer receives data from Standard (2) and Memory (3) models via wireless infrared.

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

AC Power Cable for continuous operation.












Serial Output Cable to connect to a data collector.

Probe Fixture Stand ensures repeatable positioning.



Standard (2) model shown in Statistics Mode

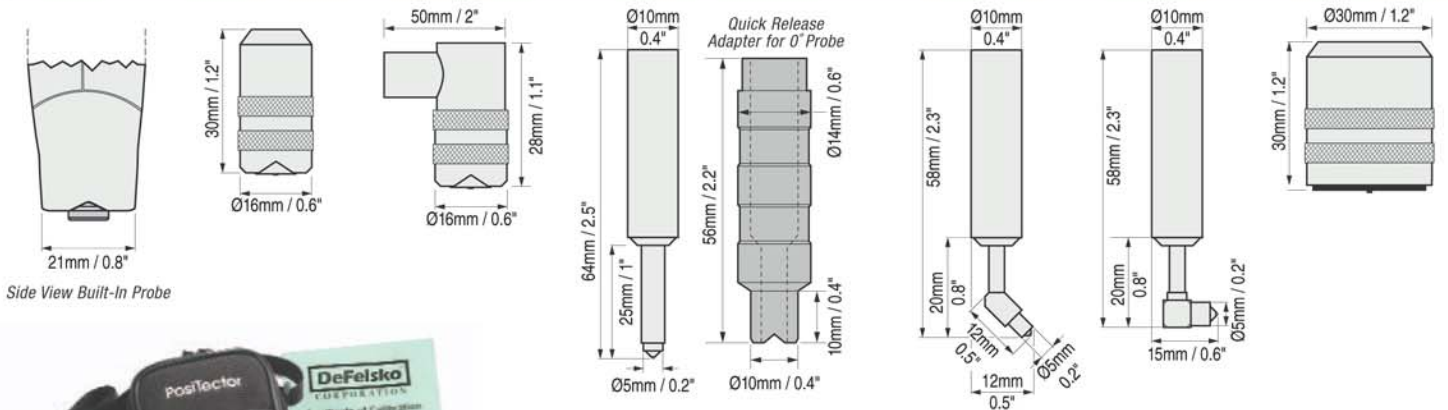
Visit www.defelsko.com/applications.htm to view **Coating Inspection Application Notes**.

| PosiTector® 6000 Series ORDERING GUIDE | | Our most popular 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 | | | Built-in and Separate probes for thick protective coatings; epoxy, rubber, intumescent fire proofing and more | | |
|--|----------|---|---|---|---|---|---|---|--|---|---|---|
| | |  |  |  |  |  |  |  |  |  |  |  |
| Non-Magnetic Coatings over FERROUS Metals (Steel & Iron) | Basic | F1 | FS1 | FRS1 | | F0S1 | F45S1 | F90S1 | FT1 | FTS1 | FKS1 | |
| | Standard | F2 | FS2 | FRS2 | | F0S2 | F45S2 | F90S2 | FT2 | FTS2 | FKS2 | |
| | Memory | F3 | FS3 | FRS3 | | F0S3 | F45S3 | F90S3 | FT3 | FTS3 | FKS3 | |
| Non-Conductive Coatings on NON-FERROUS Metals (Aluminum, Copper, etc.) | Basic | N1 | NS1 | NRS1 | NAS1 | N0S1 | N45S1 | N90S1 | | | NKS1 | |
| | Standard | N2 | NS2 | NRS2 | NAS2 | N0S2 | N45S2 | N90S2 | | | NKS2 | |
| | Memory | N3 | NS3 | NRS3 | NAS3 | N0S3 | N45S3 | N90S3 | | | NKS3 | |
| Combination ALL METALS | Basic | FN1 | FNS1 | FNRS1 | | | | | | FNTS1 | | |
| | Standard | FN2 | FNS2 | FNRS2 | | | | | | FNTS2 | | |
| | Memory | FN3 | FNS3 | FNRS3 | | | | | | FNTS3 | | |
| Range | | 0 – 60 mils 0 – 1500 µm | | | | 0 – 25 mils 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 – 100 µm ±(2 µm + 3%) > 100 µm | | | ±(0.5 mil + 1%) 0 – 100 mils ±(0.5 mil + 3%) > 100 mils ±(0.01 mm + 1%) 0 – 2.5 mm ±(0.01 mm + 3%) > 2.5 mm | | ±(1 mil + 3%) 0 – 500 mils ±(0.02 mm + 3%) 0 – 13 mm | |
| Matching DeFelsko Calibration Standards | | CAL-S1 CAL-A1 | | | | CAL-S2 CAL-A2 | | | CAL-P1 | | CAL-P5 | |

*Accuracies are stated as a fixed value plus a percentage of the gage's actual reading. EXTENDED CABLES available up to 250 ft / 75 m for underwater or remote measuring. Specify length when ordering.

Probe Details

| BUILT-IN | REGULAR & FTS | 90° REGULAR | F0S & N0S with adapter | F45S & N45S | F90S & N90S | FNTS, FKS & NKS |
|----------|---------------|-------------|------------------------|-------------|-------------|-----------------|
|----------|---------------|-------------|------------------------|-------------|-------------|-----------------|



Side View Built-In Probe



ALL GAGES COME COMPLETE with precision plastic shims, protective rubber holster with belt clip, 3 AAA batteries, instructions, wrist strap (built-in style only), nylon carrying case with shoulder strap, Certificate of Calibration traceable to NIST, two (2) year warranty.

MEMORY (3) GAGES also include PosiSoft Windows-based Analysis Software, USB cable.

SIZE: 146 x 64 x 31 mm (5.75" x 2.5" x 1.2") **WEIGHT:** 165 g (5.8 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

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