PosiTector® *200* Series

Non-destructively measures a wide variety of applications using proven ultrasound technology. Measures the thickness of coatings over concrete, wood, composite materials and more.

All Gages Feature...

Simple

- Ready to measure – no adjustment required to measure most coatings
- 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
- Scratch/Solvent resistant display suitable for harsh environments
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on both gage body and probe

Accurate

- Responsive transducers provide fast, accurate readings (up to 40 readings/minute)
- Proven non-destructive ultrasonic technique conforms to ASTM D6132 and ISO 2808
- Certificate of Calibration showing traceability to NIST included

Versatile

- Continually displays/updates average, standard deviation, and number of readings while measuring
- Internal memory stores up to 10,000 readings in up to 1000 batches
- Built-in clock to date and time stamp each stored measurement
- USB, IR and serial output options for simple communication with printers and PCs
- Backlit display for dim or dark environments
- Mils/Microns switchable
- Selectable display languages

Standard model measuring total coating thickness on wood

Select Standard or Advanced

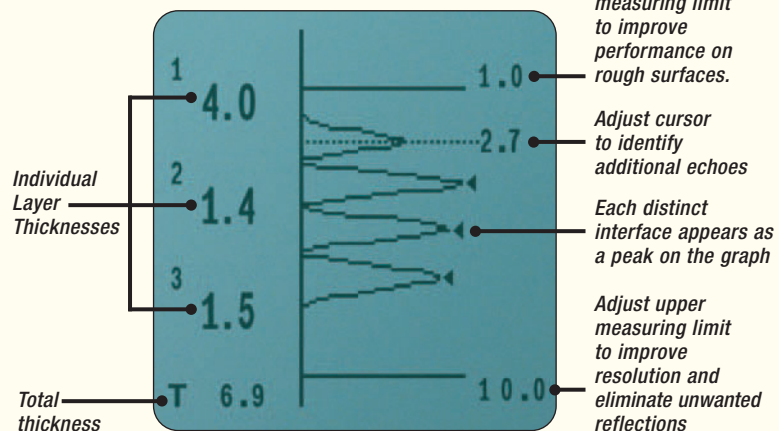**Standard models** measure the total thickness of a coating system.

Advanced models measure total thickness of a coating system or up to 3 individual layer thicknesses in a multi-layer system. Also features graphic readout for detailed analysis of the coating system.

Advanced Model Graphic Display

Advanced models toggle between graphic readout and statistical data displays.

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

Individual Layer Thicknesses

Total thickness

Adjust lower measuring limit to improve performance on rough surfaces.

Adjust cursor to identify additional echoes

Each distinct interface appears as a peak on the graph

Adjust upper measuring limit to improve resolution and eliminate unwanted reflections

Tough *NEW* Features

- **USB/Serial/IR Ports** for downloading to a PC, printer or data collector

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

- **Scratch and solvent resistant lens**

Standard 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**

- **Comfortable ergonomic finger grip** reduces operator fatigue

- **Plastic-tipped probe** will not scratch surface

Options

PosiSoft® for Windows® analysis software

- 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 all models via wireless infrared.

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

AC Power Cable for continuous operation.

Serial Output Cable to connect to a data collector.

Easily measure single or multiple layer coating thickness on a variety of substrates.

Measure paint, varnish, lacquer, etc. on wood products including cabinetry, furniture, flooring, windows and more.

Measure thick protective coatings on concrete flooring, pipes, containment structures and more.
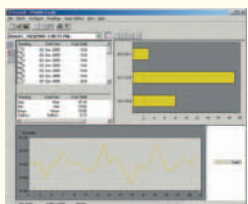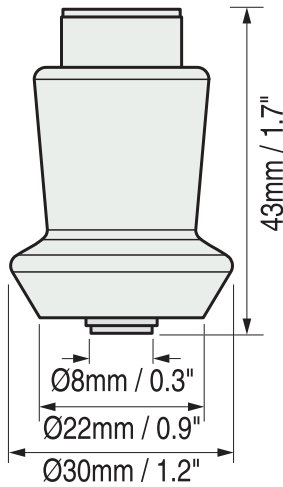
Advanced model

Measure protective finish topcoats over epoxy resin – commonly found in automotive, marine and aviation applications.

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

SPECIFICATIONS

PosiTector® 200 Model	B/Std	B/Adv	C/Std	C/Adv
Measures Total Thickness	✔	✔	✔	✔
Measures Individual Layers		✔		✔
Graphic Display		✔		✔
Typical Applications	Polymer coatings on wood, plastic, etc.		Thicker coatings on concrete, fiberglass, etc.	
Range*	13 – 1000 microns 0.5 – 40 mils		50 – 3800 microns 2 – 150 mils	
Accuracy	± (2 microns + 3% of reading) ± (0.1 mils + 3% of reading)			
Minimum Individual Layer Thickness**	_____	13 microns 0.5 mils	_____	50 microns 2 mils
Calibration Standard	DeFelsko CAL-A4		DeFelsko CAL-P6	

*Range limits apply to polymer coatings only. **For multiple layer applications only. Dependent on material being measured.*

Probe Details

Ø8mm / 0.3"
Ø22mm / 0.9"
Ø30mm / 1.2"
43mm / 1.7"

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

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 ASTM D6132
and ISO 2808