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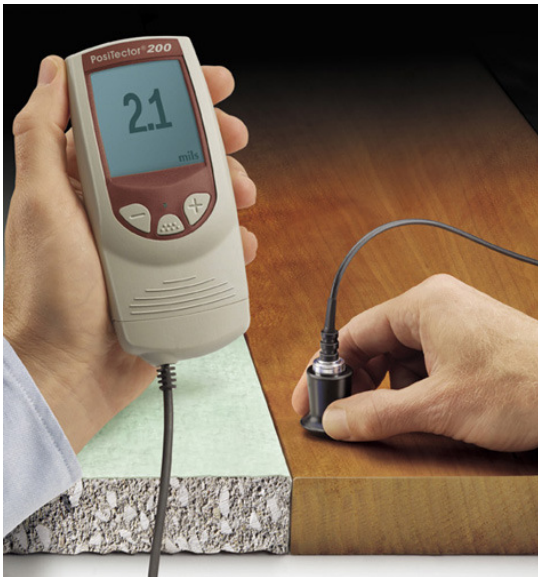
DMV UK
Precision Testing and Measuring Instruments

PosiTector® 200

Coating Thickness Gauge for Non-Metal Substrates

Affordable, Easy-to-Use, and Non-Destructive for Measuring on Wood, Concrete, Plastic and more...

PosiTector® 200 Coating Thickness Gauge, non-destructively measures a wide variety of applications using proven ultrasound technology. Measures coating thickness over wood, concrete, plastics, composites and more. Advanced models measure up to 3 individual layer thicknesses in a multi-layer system and features a graphic readout for detailed analysis of the coating system.

Simple

- **Fast** measurement of **total** coating thickness
- Ready to measure - no adjustment required to measure most coatings
- Menu-driven user interface
- 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 ingress protection
- Scratch/Solvent resistant display suitable for harsh environments
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on both gage body and 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
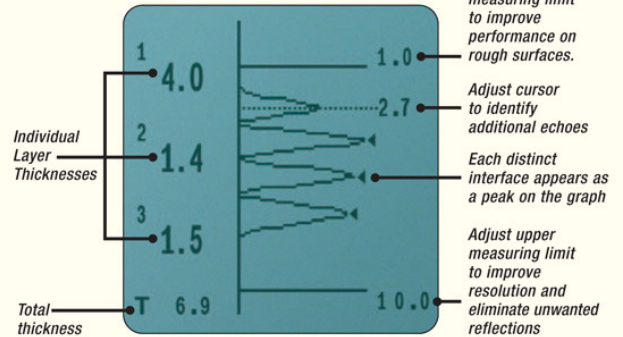- Certificate of Calibration showing traceability to NIST included
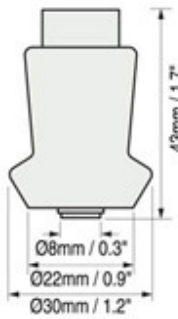
Versatile

- 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 including: English, Spanish, French, German, Portuguese, Chinese, Japanese, Norwegian, Russian, Czech and Italian

Select Standard or Advanced model

- **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.

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

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

Individual Layer Thicknesses

Total thickness

PosiTector 200	Probe Model:	B	C
	Range*	13 - 1000 um 0.5 -40 mils	50 - 3800 um 2 - 150 mils
	Typical Applications:	Polymer coatings on wood, plastic, composites, etc.	Thicker coatings on concrete, fiberglass, etc.
	Accuracy:	± (2 microns + 3% of reading) ± (0.1 mils + 3% of reading)	
	*Range limits apply to polymer coatings only.		

Probe Details Two probe configurations are available for measuring a wide variety of coating thickness application.

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PosiTector 200 - Feature Comparison Chart	Standard	Advanced
Measures Total Thickness of a coating system	■	■
Graphic readout for detailed analysis of the coating system	--	■
Measures Individual Layer thicknesses in a multi-layer coating system	--	■
No Calibration required for most applications	■	■
One handed menu navigation	■	■
Mils/Microns switchable	■	■
Adjustable to a known thickness	■	■
Thick impact resistant Lexan® display	■	■
Backlit display for dim or dark environments	■	■
Instantly calculate average, standard deviation, min/max thickness and number of readings while measuring	■	■
Reading Storage Capacity	10,000 in up to 1000 groups	
Built in clock to date and time stamp each stored measurement	■	■
Serial RS232 communication for downloading readings as they are taken to a PC or Data Collector (requires optional Serial Output Cable)	■	■
PosiSoft downloading and charting software (includes USB cable)	optional	optional
Built-in IR port for printing to an optional portable printer	■	■
Protective rubber holster with belt clip	■	■
Nylon carry case with shoulder strap	■	■
Certificate of Calibration showing traceability to NIST	■	■
Two (2) Year Warranty on both gage body and probe	■	■

Ordering Chart

PosiTector 200 Model	B/Std	B/Adv	C/Std	C/Adv
Measures Total Thickness	✓	✓	✓	✓
Measures Individual Layers		✓		✓
Graphical Display		✓		✓
Typical Applications	Polymer coatings on wood, plastic, composites, 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.

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All Gauges 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.*
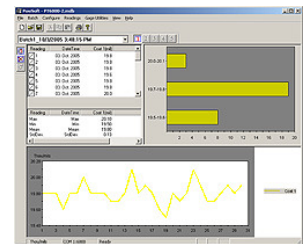
Size: *146 x 64 x 31 mm (5.75" x 2.5" x 1.2")*

Weight: *165 G (5.8 oz.) without batteries*

Confirms to: *ASTM D6132 and ISO 2808*

Accessories

PosiSoft for Windows analysis software

- Downloads stored measurement results from the gauge to a PC
- 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 PosiTector 200 models via wireless infrared.

- Wireless, battery-operated.
- Receives data via an invisible infrared beam.
- Prints both text and graphics
- Light weight
- One year Warranty

Certified Thickness Standards are ideal for checking calibration and operation of coating thickness gauges and are an important component in fulfilling both ISO and in-house quality control requirements.
All standards are supplied with a certificate of calibration showing traceability to NIST/NPL.

AC Power Cable for continuous operation.
As an alternative to using your PC's built-in USB port as a power source for your PosiTector 200.

Serial Output Cable
Using the Serial Output Cable, readings can be sent from the gauge to a PC or data collector.

Couplant
Every **PosiTector 200** ships with (1) bottle of Ultrasonic couplant. Additional 4oz. bottles are available. (sold in cases of 12)

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