

PosiTector 200

Concrete coatings thickness measurements are commonplace in industrial and commercial. Specifications usually call for a minimum coating or paint thickness. This ultrasonic device provides a non-destructive means for determining coating thickness insitu. It is also useful for checking coating thicknesses on wood, plastic.

Theory

The **PosiTector 200** probe emits a high frequency sound pulse that travels into the coating via a couplant gel and reflects from ANY surface that is different in density. Coating thickness readings are obtained by measuring the time taken for the ultrasonic signal to propagate from the probe to the coating/substrate interface and back.

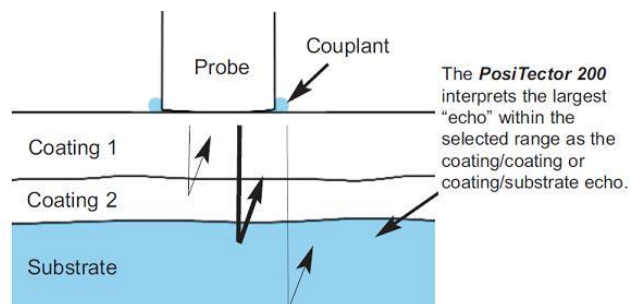
How to select your probes

Choose your substrate:

- Type B (Polymer coatings on wood, plastic, etc.)
- Type C (Coatings on concrete, fiberglass, etc.)
- Type D (Thick, soft coatings such as polyuria, asphaltic neoprene, very thick polymers, etc.)

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.

The selection of probe determines both the maximum thickness that can be measured, and the precision of the measurement. Type C is for standard coating measurement on concrete, and type D is better for thicker coatings. Type B is more commonly used for testing over wood but does have a finer resolution when measuring multiple layers within a coating.

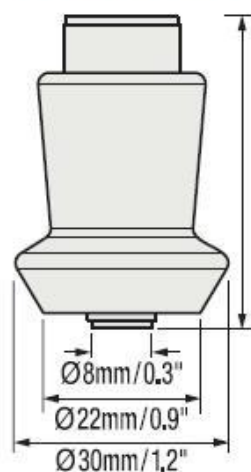


B Probe for measuring polymer coatings on wood, plastic, etc.

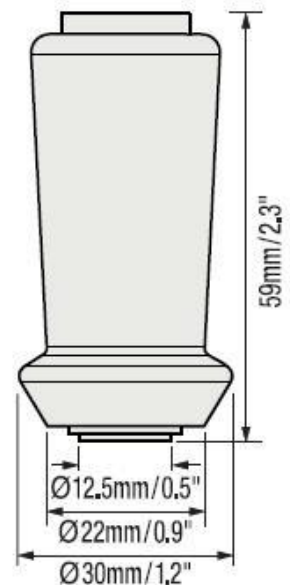


C Probe for measuring coatings on concrete, fiberglass, etc.

Probe Details



B and C Probes



D Probe

PosiTector 200

Standard gauge features

Includes ALL features as shown on below plus...

- Colour LCD display with transfective technology enhances sunlight readability
- Measure the total thickness of a coating system
- Storage of 250 readings—stored readings can be viewed or downloaded

Accurate

- Certificate of Calibration showing traceability to NIST or PTB included
- Responsive transducers provide fast, accurate readings
- Proven non-destructive ultrasonic technique conforms to ISO 2808 and ASTM D6132

Versatile

- *PosiTector* body universally accepts all *PosiTector* 200, 6000, RTR, SPG, DPM and UTG probes easily converting from a coating thickness gage to a surface profile gage, dew point meter or ultrasonic wall thickness gauge
- Mils/Microns switchable
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip Display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- 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
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- PosiSoft USB Drive—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 internet keep your gage current
- Connects to PosiSoft.net

Simple

- Ready to measure- no calibration adjustment required for most applications
- Enhanced One-hand menu navigation
- Flashing display- ideal in noisy environment
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant-waterproof
- Shock-absorbing, protective rubber holster with belt clip
- Two-year warranty

Rugged Features...

Sealed USB Port for communicating with a PC or Mac

Water and dust resistant—weatherproof

Hi resolution color LCD

Chart multiple layers

Scratch/solvent/impact resistant lens

Advanced model shown in Memory mode

Multi-function navigation button

Solvent, acid, oil resistant, hi-grade, industrial strength housing

Shock-absorbing, protective rubber holster with belt clip and wrist strap

Quality high-flex cable and strain relief

Comfortable, ergonomic finger grip

Plastic-tipped probe will not scratch surface



PosiTector 200

PosiSoft Data Solution:

Positector 200 provides 4 FREE solutions for viewing, analysing and reporting data:

USB Drive

Connect your gauge to most computers with the supplied USB cables to access and print stored readings. No software required.

PosiSoft.net

This is a web based application offering centralised management of Positector data. Access your data anywhere.

PosiSoft Software

Newly updated software for your desktop. Available as a free download.

PosiSoft Mobile

Access readings, graphs, capture photos and update annotations using WiFi enabled devices. (Advanced Models Only)

Systems Includes:

All gauges come complete with:

- Precision Plastic Shim(s)
- Rubber Holster and Belt Clip
- 3 x AAA Batteries
- Instructions
- Wrist Strap (built in style only)
- Nylon carry case with shoulder strap
- Calibration Certificate (Traceable to NIST or PTB)
- 2 year Warranty

Memory Gauges include:

- PosiSoft Software
- USB Cable

Accessories of selection:

- Bluetooth Printer which received data from advanced models
- Rechargeable batteries
- Coating thickness standards to fulfill both ISO and in-house quality control requirements
- AC Power Kit for continuous operation
- Protective Lens Shields

Additional Features

- Measure the total thickness of a coating system or up to 3 individual layer thickness in a multi-layer system. Also features graphic display for details analysis of the coating system
- 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 more
- Batch annotation—add notes and change batch names with onscreen keyboard
- Wi-Fi technology wirelessly synchronizes with PosiSoft.net, downloads software updates and connects with mobile devices for expanded functionality
- Data transfer via USB to a PC or via Wireless Technology to a PC or printer
- Graphics mode with Screen Capture

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers