

PosiTector® **PC** ✓ *Powder Checker* Non-contact Uncured Powder Thickness Gage



Affordably measures uncured powder coatings using non-contact ultrasonic technology to automatically calculate and display a predicted cured thickness.



DeFelsko®
The Measure of Quality

PosiTector[®] PC Powder Checker

Non-contact coating thickness gage measures uncured powder and predicts cured thickness.

Simple

- Hand-held, battery operated
- No calibration adjustment required for most powders
- Thickness results appear on both gage body and probe

Durable

- Solvent, acid, oil, water and dust resistant—ideal for powder coating environments
- Shock-absorbing, protective rubber holster with belt clip
- Replaceable screen protects the probe
- Two year warranty on both gage body and probe

Accurate

- Conforms to ASTM D7378
- Allows measurement on small tubes, odd shapes and moving parts
- Easy calibration adjustment options to improve accuracy on unusual powders or substrates

Versatile

- Wireless probe communicates with Advanced gage body up to 10m away (30 feet). No cable to risk disturbing applied powder
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Uses alkaline or rechargeable batteries (built-in charger)
- PosiTector PC accepts all PosiTector probes easily converting from measuring uncured powder to cured dry film thickness, surface profile, and more.

Powerful

- Hi Contrast reversible color LCD
- Real time graphing, picture prompting and more
- Batch annotation—add notes and change batch names with onscreen QWERTY keyboard
- WiFi technology wirelessly synchronizes with PosiSoft.net, downloads software updates to keep gage current and connects with mobile devices for expanded functionality
- Data transfer via USB to a PC or via Bluetooth Wireless Technology to a PC or printer
- Continually displays/updates basic statistics including min/max and average
- Storage of 100,000 readings in up to 1,000 batches
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- PosiSoft solutions for viewing, analyzing and reporting data include PosiSoft USB Drive, PosiSoft.net, PosiSoft 3.0 Desktop software, PosiSoft Mobile
- Gage generates formatted reports with measurement summaries and charts



Specifications	
Range*	20–110 μm (0.8–4.3 mils)
Resolution	1 μm (0.05 mils)
Accuracy	$\pm 5 \mu\text{m}$ (± 0.2 mil)
Measurement Time	2–5 seconds
Measurement Distance to Powder	18 mm (0.75 inch)
Measurement Area	2 mm (0.08 inch)

*Based on TGIC-Free polyester powder.

ADVANCED GAGE BODY

Size: 137 x 61 x 28 mm (5.4 x 2.4 x 1.1 in.)
Weight: 140 g (4.9 oz.) without batteries

PROBE

Size: 222 x \varnothing 50 mm (8.75 x \varnothing 2.0 in.)
Weight: 272 g (9.6 oz.) without batteries

GAGE COMES COMPLETE

with Advanced gage body and wireless probe, protective rubber holster with belt clip, probe zeroing fixture, 3 AAA batteries (body), 3 AA batteries (probe), probe connector cover, instructions, instructional video, replacement probe screen, protective lens shield, USB cable, carabineer, wrist strap, hard shell case, two (2) year warranty

CUSTOM KITS

for measuring powder coating before and after cure.
Visit www.DeFelsko.com/PCKits



Advanced technology allows measurements on moving parts

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PosiTector® Powder Inspection Kits

Complete solutions for measuring powder coatings before and after cure

Each Powder Inspection Kit contains:

- PosiTector Advanced Gage Body
- PosiTector **PC** non-contact uncured powder thickness probe
- PosiTector **6000** coating thickness probe — select from a variety of measurement ranges and probe styles
- 2 DeFelsko Powder Combs (models 1 & 4) with measuring ranges of 3 to 12 mils and 75 to 300 µm

Custom Inspection Kits

Select from 4 pre-configured kits or build your own


- Build your own Powder Inspection Kit from a selection of probes to suit your needs
- PosiTector PC accepts all PosiTector probes easily converting from measuring uncured powder to cured dry film thickness, surface profile, and more.



DeFelsko Powder Comb (included)



This simple, easy-to-use gage measures the thickness (height or depth) of applied dry coating powders in the pre-cured, pre-gelled state.

Inspection Kit	Coating Thickness Probe	PosiTector body
KITPCF3	6000-F (ferrous only)	 Advanced
KITPCFS3	6000-FS (ferrous only with cable)	
KITPCFN3	6000-FN (ferrous/non-ferrous)	
KITPCFNS3	6000-FNS (ferrous/non-ferrous with cable)	

Custom Kits for measuring powder coating before and after cure are available at www.DeFelsko.com/PCKits



Kits come complete with Advanced gage body, uncured powder thickness probe, coating thickness probe (user selected), precision plastic shims, protective rubber holster with belt clip, wrist strap, carabineer, 3 AAA batteries, 3 AA batteries (probe), probe connector cover, replacement probe screen, probe zeroing fixture, 3 instruction manuals, instructional video, hard shell case, protective lens shield, Long Form Certificate of Calibration traceable to PTB (6000 probe only), USB cable and two (2) year warranty on gage body and probes.

Case Size: 30 cm (l) x 25 cm (w) x 10 cm (d)
12" (l) x 10" (w) x 4" (d)

Weight: 1.3 kg (2.8 lbs.)



KITPCF3 Shown



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