

## DeFelsko Thickness Coating Gauge

### PosiTector 6000 electronic dry film coating thickness gauge

The 23519A series of non-destructive dry film coating thickness are simple, durable, accurate and versatile.

- Instant and Automatic Gage Setup
- Average ZERO Feature; Ideal for Zeroing on Rough Substrates
- Easily Adjustable to any Known Thickness
- RESET Feature Instantly Restores Factory Settings
- Exceptional Accuracy as Specified Below
- Wear Resistant Probe Tip
- Solvent, Acid, Oil, Water and Dust Resistant
- Certificate of Calibration Showing Traceability to NIST Included
- Matching Calibration Standards and Procedures Available
- Automatic Power-up on Built-in Probe Gages; Auto Power-down on all Gages
- Mil/ Microns Switchable
- Indicator Light is Ideal in a Noisy Environment
- Four Selectable Languages - English, Spanish, French, German
- Backglow Display for Use in Dim or Dark Environment

#### Choose from 3 Feature Packages:

- **Basic (1)**—all above features
- **Standard (2)**—all Basic (1) features plus continual display of average, standard deviation, min/max thickness and number of readings, HI-RES mode increases displayed resolution for use on applications that require greater precision, user-controlled "time-out" interval delays automatic power-down, storage of up to 250 readings, built-in IR port for printing to our optional inexpensive wireless printer.
- **Memory (3)**—all Standard (2) features plus ability to store multiple calibration settings; storage of 10,000 readings in up to 200 groups that can be viewed, printed or deleted; built-in clock to date and time stamp each stored measurement; outputs readings as they are taken or stores them in memory for later download; supplied with PosiSoft® Windows®-based download and charting software, RS-232 serial cable for data output to a PC, serial printer or data collector.

#### Applications:

- Ferrous (F) gages measure any non-magnetic coating on ferrous metal substrates, such as paint or plating on steel.
- Non-ferrous (N) gages measure any non-conductive coating on non-ferrous metal substrates, such as paint or anodizing on aluminum.
- Unique Combination (FN) probes are available for measuring coatings on all metal substrates: ideal for powder coater.

**Each Unit Includes:** AA batteries, probe, leather pouch with belt clip, precision plastic shim standards, wrist strap (built-in probe versions only), Certificate of Calibration traceable to NIST, one-year warranty, and instructions.

**Memory (3) Units Also Include:** PosiSoft® Windows™-based software, RS-232 cable, a built-in IR port, and hard carrying case.

**Optional Accessories:** Hewlett-Packard infrared printer - for use with standard (2) and memory(3) models, and DeFelsko coating thickness standards



#### Specifications

Unit Dimensions:	5.8 x 2.4 x 1"
Unit Weight:	6 oz (without batteries)
Complies with:	ASTM D1186/B499/D1400, ISO 2178/2360/2808

#### Ordering Information

To Order—Insert Model Type and package type (1, 2, or 3) in boxes following part number. Order Example: MP23519A-F-3		
MP23519A-□-□	PosiTector 6000 Coating Thickness Gauges	(see chart)
MP23521A	HP IR Printer	
NOTE: Models ending with "S" indicates external probe included. All others have built-in probe.		

#### Specifications and Ordering Information

	Pkg.	Built-In Probe	Straight Probe	Right Angle Probe	Ideal for Anodized Aluminum	Microbes-Smallest Probes			For Measuring Thick Epoxy, Rubber Fireproofing, Etc.		High Range Probes for Thick Coatings on All Metals
						Straight	45 Degree Angle	Right Angle	FT	FTS	
Non-Magnetic Coatings on Ferrous Metals	1	F	FS	FRS		FOS	F45S	F90S			
	2										
	3										
Non-Conductive Coatings on Non-Ferrous Metals	1	N	NS	NRS	NAS	NOS	N45S	N90S			NTS
	2										
	3										
Combination Models—All Metals	1	FN	FNS	FNRS							FNTS
	2										
	3										
Range:		0–60 mils 0–1500 µm				0–25 mils 0–625 µm			0–250 mils 0–6 mm		0–750 mils 0–20 mm
Accuracy:*		±(0.05 mils + 1%) 0–2 mils ±(0.1 mils + 1%) >2 mils				±(0.01 mils + 1%) 0–4 mils ±(0.1 mils + 3%) >4 mils			±(0.5 mils + 1%) 0–100 mils ±(0.5 mils + 3%) >100 mils		±(1 mil + 1%) 0–250 mils ±(1 mil + 5%) >250 mils
		±(1 µm + 1%) 0–50 µm ±(2 µm + 1%) >50 µm				±(0.5 µm + 1%) 0–100 µm ±(2 µm + 3%) >100 µm			±(0.01 mm + 1%) 0–2.5 mm ±(0.01 mm + 3%) >2.5 mm		±(0.02 mm + 1%) 0–6 mm ±(0.02 mm + 5%) >6 mm

**NEW DeFelsko Ultrasonic Thickness Gauge**

- Measure Thickness of Steel, Cast Iron, Plastic and More
- Large Easy-to-Read, Graphics LCD (Multilingual)
- Backlight for Dark Environments
- Two-Button Menu-Driven User Interface
- Auto Calibration
- Use Pre-Programmed Velocities or Enter Your Own
- Hilo Alarm Audible/Visible Alerts Over User Selected Limits
- Internal Memory Stores 250 Readings
- Flip Display Enables Right-Side-Up Viewing
- Scan Mode – Measurement Rate 20 Readings/Sec
- On-Screen Max/Min Quick Inspection of Large Areas

**Each Unit Includes:** gauge, probe with 5 MHz transducer, NIST-traceable certificate, rugged carry case, internal memory, built-in infrared port for printing to a wireless IR printer, two AA batteries, instructions, two year warranty.

**Specifications**

Measuring range:	0.040 to 5.000" ( 1.00 to 125.00 mm)
Accuracy:	±0.001" (±0.01 mm)
Velocity Range:	0.0492 to 0.393 in/microseconds
Dimensions: Meter:	5.8"H x 2.4"W x 1"D
Weight:	2 lb (1.0 kg)

**Ordering Information**

Order #	Mfg #	Description	Price
MPUTG	UTG	Ultrasonic Thickness Gauge w/ RS-232	
MPDF-P	DF-P	Battery operated infrared printer	
MPDF-SW	DF-SW	Software and serial cable	



UTG ▲

Test Instruments — Miscellaneous

**NDT International Thickness Gauge**

- Built-In 0–25" Calibration Block
- Memory Retains Last Calibration Reading
- Dual Element Transducer
- Ideal for Piping and Storage Tanks

**Each Unit Includes:** 9V alkaline battery, 25" diameter x 5.0 MHz dual element transducer (21055A-1), bottle of ultrasonic couplant (21055A-2), padded accessory bag, and instructions.

**Specifications**

Range:	0.030–19.999" (0.75–199.99 mm)
Velocity Range:	0.0197 to 0.3936 in/µsec (500 to 10,000 m/sec)
Resolution:	0.001 up to a reading of 1.999" or 1.999 mm
Temperature Range:	10° to 120°F (-10° to +50°C)
Size/Weight:	1.4 x 3.1 x 5.7" HWL (35 x 79 x 145 mm)/ 11 oz (309g)

**Ordering Information**

Order #	Mfg #	Description	Price
MP21055A	710KIT	Ultrasonic Thickness Gauge Kit	
MP21055A-1	710-1	Replacement Standard Transducer	
MP21055A-2	UTGL-4	Replacement Ultrasonic Couplant (4 oz)	
MP21055A-4	4SB	4-Step Calibration Block 0.250" to 1.000"	
MP21055A-5	5SB	5-Step Calibration Block 0.100" to 0.500"	
MP21055A-6	710-5	90° Transducer Probe for Small Contact Diameters	
MP21055A-7	710-6	90° Transducer Probe for Low Profile Probe	



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