

# COATING THICKNESS GAUGES

## COATING THICKNESS GAUGES

- Fast, repeatable measurements
- No calibration required for most applications
- Zero feature for rough or curved surfaces
- Reset feature when no reference is available
- Audible and visible measurement indication
- V-groove in probe for positioning on cylindrical parts
- Strong, wear-resistant ruby-tipped probe
- Mils/microns switchable
- Model **THZ328** measures non-magnetic coatings on steel
- Model **THZ327** measures both non-magnetic coatings on steel and non-conductive coatings on aluminum, brass, etc. automatically recognizes the substrate
- Gauge comes complete with built-in probe, plastic shims, hard shell storage case, "AAA" battery and instructions
- Measuring Range: 0 to 40 mils; 0 to 1000 µm



THZ328

**DeFelsko**

Model No.	Mfg. No.	Description	Price/Each
THZ328	DFTFERROUS	Coating Thickness Gauge	
THZ327	DFTCOMBO	Coating Thickness Gauge	

## COATING THICKNESS GAUGES

### BASIC MODELS

- Larger, easy-to-read LCD with menu-driven user interface
- Flip display with backlight
- Instant automatic gauge set-up
- Average zero and automatic reset features
- Integral constant pressure probe (separate probe models available)
- Mils/microns/mm switchable
- Measuring Range: 0 to 60 mils; 0 to 1500 µm



HC779

**DeFelsko**

Model No.	Mfg. No.	Description	Price/Each
HC779	F1	Basic Coating Thickness Gauge, Non-magnetic on Ferrous	
HC781	F3	Memory Coating Thickness Gauge, Non-magnetic on Ferrous	
HC786	N1	Basic Coating Thickness Gauge, Non-conductive on Non-ferrous	
HC788	N3	Memory Coating Thickness Gauge, Non-conductive on Non-ferrous	

## COATING THICKNESS GAUGES

- Dual technology provides automatic recognition for ferrous (F) and non-ferrous (NF) metal substrates
- Magnetic induction for ferrous metal substrates
- Eddy current measurement for non-ferrous metal substrates
- One or two point calibration
- User-settable high/low alarms
- Min/Max/Average
- Memory stores 400 readings
- Measuring range: 0 to 1250 µm, 0 to 49.21 mils
- Min. curvature radius: F: 1.5 mm; NF: 3 mm
- Min. area Diameter: F: 7 mm; NF: 5 mm
- Min. substrate thickness: F: 0.5 mm; NF: 0.3 mm
- Includes: Two AAA batteries, USB cable, software, calibration iron, calibration aluminum, precision standards and carrying case
- Accredited calibration available



**REED**

Model No.	Mfg. No.	Description	Price/Each
IA858	ST-156	Coating Thickness Gauge	

## COATING THICKNESS GAUGES

- Fast measurement of total coating thickness
- No adjustment required to measure most coatings
- Proven non-destructive ultrasonic technique
- Mils/microns switchable
- Internal memory stores up to 1000 readings
- Easy-to-read, scratch resistant LCD
- Flip display enables right-side-up viewing
- Whether gauge is in your hand or on a table
- Sturdy compact design is solvent, acid, oil, water and dust resistant
- Constant pressure, plastic-tipped probe will not scratch surface
- Comfortable, ergonomic finger grip reduces operator fatigue
- Infrared and RS232 ports
- Gauge comes complete with probe, precision plastic shims, couplant, 2 "AA" batteries, carrying case and instructions
- Measuring Range: 1 to 40 mils; 25 to 1000 µm



THZ326

**DeFelsko**

Model No.	Mfg. No.	Description	Price/Each
THZ326	200	Coating Thickness Gauge	

## COATING THICKNESS GAUGES

- Permanently calibrated
- Positive visual and audible indicators to designate thickness reading is established
- "V" grooves in probe housing and gauge base to allow correct positioning on cylindrical objects
- GO/NO-GO button can be preset for rapid measurement
- Probe contact and dial rotation all in a one finger operation
- Compact, lightweight, independent of gravity - can be used in any position
- Stable overall design, positive positioning, no pivoting tendencies during measurements
- Can be fully supported or with only front probe area contacting surface
- Functions on a permanent rare-earth cobalt magnet, no battery
- Rugged housing, not affected by mechanical shock, water, acid or solvents
- Highly wear resistant carbide measuring probe

### MODEL HF678

- Measuring range: 0 to 80 mils



HF678

**DeFelsko**

### MODEL HF721

- Measuring range: 0 to 8 mils

Model No.	Mfg. No.	Description	Price/Each
HF678	FM	Coating Thickness Gauge	
HF721	GM	Coating Thickness Gauge	

## COATING THICKNESS GAUGES

- Measures the thickness of non-magnetic coatings on magnetic or non-magnetic metal substrates
- Automatic probe recognition
- Automatic calibration
- Large, easy-to-read LCD provides exact readings without guessing or errors
- µm/mil conversion switch
- Includes hard carrying case and batteries
- Probes sold separately
- Measuring Range: 0 to 1000 µm (0 to 40 mil)
- Resolution: 0.1 µm
- Accuracy: ±1 to 3% or 2 µm, whichever is greater
- Sampling time: 1 second
- Power supply: 4 x 1.5V "AA" batteries



IA673

IA702

IA703

**REED**

Model No.	Mfg. No.	Description	Price/Each
IA673	CM-8822	Coating Thickness Gauge	
IA702	CM-8822FPROBE	Ferrous Probe	
IA703	CM-8822NFPROBE	Non-Ferrous Probe	

## THICKNESS GAUGES

### MODEL THZ329

- Simply touch the probe to one side of the material and read its thickness
- Drag the probe along the surface of the material and scan for the thinnest reading
- Backlit display is easy to read, even in dim light
- Bar graph indicates signal strength
- Measuring Range: 0.025 to 19.999" (0.63 to 500 mm)

THZ329



### MODEL THZ330

- Alarm mode:** If a measurement falls below minimum specified value, red LED lights and beeper sounds; green LED lights to indicate an acceptable thickness
- Differential mode:** Unit displays positive or negative difference of your minimum specified value
- RS232 data port

### MODEL THZ331

- All of the features of model THZ330
- Automatically stores up to 1000 readings with numeric location codes

DAKOTA INSTRUMENTS

Model No.	Mfg. No.	Description	Price/Each
THZ329	MX-3	Ultrasonic Thickness Gauge	
THZ330	MX-5	Ultrasonic Thickness Gauge	
THZ331	MX-5DL	Datalogging Ultrasonic Thickness Gauge	

## R9030 HARDNESS TESTERS

- Rebound hardness testing is particularly useful for large, coarse grained materials, forged parts and all types of cast materials
- Measures the velocity of a propelled impact body directly before and after the impact onto the test material's surface
- Capable of automatically converting and displaying measurements into Rockwell (HRC, HRB, HRA), Brinell (HB), Leeb (HL), Vickers (HV) and Shore (HS) hardness values
- Materials that can typically be tested include cast steel, alloy tool steel, stainless steel, aluminum, bronze, copper, cast irons, etc.
- Conversion of measurements to tensile strength (U.T.S.)
- Large capacity memory can store up to 350 groups of information (depending upon impact times) including measurement value, mean value, testing date, impact direction, impact times, material and hardness scale
- Mini USB data interface
- Operates on a rechargeable lithium battery
- 128 x 32 dot matrix LCD with battery life display
- Includes: R9030 Hardness Tester, D Impact Device, Small Supporting Ring, Leeb Test Block, Nylon Brush, Battery Charger, Data Processing Software, Communication Cable
- Hardness Scale: HL, HRC, HRB, HRA, HV, HB, HS
- Measuring Range: HLD: 170 to 96, HRA: 59 to 85m, HRB: 13 to 100, HRC: 20 to 68, HB: 19 to 651, HV: 80 to 967, HS: 30 to 100



REED

Model No.	Mfg. No.	Description	Price/Each
IB748	R9030	Hardness Tester	

## THICKNESS GAUGES

- Exclusive micro-computer LSI circuit and crystal time base offer high accuracy
- Digital display provides exact readings without guessing or errors
- Broad band receiving sensitivity means the meter can read probes of different frequencies
- Auto calibration
- Automatic material calibration
- Selectable metric or imperial
- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Display sound velocity at the touch of a button
- Measuring range: 1.5 to 200 mm in #45 steel
- Velocity range: 500 to 9000 m/s

REED

Model No.	Mfg. No.	Description	Price/Each
HX399	TM-8811	Ultrasonic Thickness Gauge	
IA746	TM-8811probe	Replacement Probe	



## DUROMETERS

- Digital durometer for Shore A hardness testing
- Designed to measure the penetration hardness of rubber, elastomer and other rubber like substances such as neoprene, silicone and vinyl
- Pocket-sized model with integrated probe
- Measures maximum value
- Calculates average value
- Push button zero calibration
- Bright, clear, 4-digit, 10 mm high LCD readout
- Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215



### SPECIFICATIONS:

- Measuring range: 0 to 90 HA
- Resolution: 0.1 HA
- Deviation: ± 1 HA

REED

Model No.	Mfg. No.	Description	Price/Each
IA632	HT-6510A	"A" Scale Durometer	

## DUROMETERS

- Models feature a heat-treated, high carbon steel mainspring that is calibrated to meet or exceed ASTM Specification D2240-81
- Special cam permits a scale deflection of 100 points when the indenter is displaced exactly 0.100 inch
- Dial scale is extended over 240 circular degrees, accurate to within ± 1 division
- Threaded mounting knob at the top of each durometer permits permanent test stand emplacement
- Resettable ancillary pointer will register the peak durometer reading against all vibrations met in normal use

HB548



### MODEL HB548

- "A" Scale durometer measures the indentation hardness of rubber, elastomers, and other rubber-like substances such as neoprene, silicone, vinyl and butyl. It can also be used for soft plastics, felt leather and similar materials

HB538



### MODEL HB549

- "D" Scale durometer is designed for hard plastics - polystyrenes, vinyls, Formica, Plexiglas - hard rubbers and phenolic moulded materials

### MODEL HB538

- Foam and sponge rubber durometer measures the hardness of soft materials such as foam rubber, sponge rubber, jells and doughs
- Classifies cellular rubbers of the sponge and foam type as "x-soft", "soft", "medium" and "firm", and then divides these ranges into smaller increments

PTG INSTRUMENTS

Model No.	Mfg. No.	Description	Price/Each
HB548	306L	"A" Scale Durometer	
HB549	307L	"D" Scale Durometer	
HB538	302SL	Sponge Rubber Durometer	

## STEEL HARDNESS TESTERS

- Designed for accurate, rapid in place measurement of the hardness of steel and steel alloys in the range from 20 to 65 on the equivalent Rockwell C Scale
- Unit consists of two major components: calibrated indenter and direct reading microscope
- Hand-held impact indenter drives a 1/16" diameter tungsten carbide ball into the sample being tested
- Resulting indentation diameter is measured with 60X microscope
- Calibrated reticle in the microscope reads C Scale directly with an accuracy of ± 1.5 points
- Illumination system features a MagLite® flashlight with a fiber optic pipe that directs the light to the focus of the microscope
- Flat or curved surfaces of virtually any configuration may be measured
- Particularly useful where the test piece is too large or too heavy to test on bench-type tester



PTG INSTRUMENTS

Model No.	Mfg. No.	Description	Price/Each
HB605	316	Steel Hardness Tester	