

	DESCRIPTION	STOCK NO.	RANGE	ACCURACY
	<b>Tooke Gauge Mark IV</b> Extremely accurate plastic hand-held portable instrument destructively measures the thickness of each coat in multi-coat systems (up to 50 mils) applied to nearly any surface. Observation of coating cross-section through an integral 50 power microscope shows intercoat contamination, entrapped air, voids, underlying rust or mill scale, pinholes, poorly adherent coats, and coating embrittlement, as well as thickness. Trouble shoot causes of coating system failure. A needed supplement to the magnetic thickness gauges. Complete with three cutting tips, batteries, spare bulb, leather carrying case and instructions.			
	Plastic	20903104	0-50 mils	+ .025- +.25mils
	Aluminum	20903103	0-50 mils	+ .025- +.25mils
	Replacement tips:			
	1-X		Up to 50 mils	
	2-X		Up to 20 mils	
5-X		Up to 8 mils		
10-X		Up to 3 mils		
	Size: 4 1/2" x 3 1/2" x 1"			
	<b>Tooke Gauge Mark III</b> Cylindrical design of the Mark IV Tooke gage with improved illumination (3 bulbs instead of 1) and better access to cutting tips (all on the exterior of the unit). Complete with three cutting tips, batteries, spare bulb and leather carrying case.	20903465	0-50 mils	-+.025-+.25mils
	Replacement tips:			
	1-X (45°)		Up to 50 mils	
	2-X (26.6°)		Up to 20 mils	
	10-X (5.7°)		Up to 3 mils	
	Size: 4.5" x 2.5" diameter			
	<b>Microgroover</b> Special tool for cutting the precision V-groove required for measurements with the Tooke Gauge. Necessary when measurements are desired on substrates such as rubber, which deform when conventional cutting tips are used.	20903113		
	<b>Pencil Hardness Gauge</b> Permanently holds all pencil leads in the configuration required to perform ASTM D3363 Pencil Hardness Test, which is the simplest and most generally accepted and understood paint film hardness test.	20903106		

For pricing, availability and order placement, please call our

**Instrument Hotline  
1-800-422-RUST (7878)**

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**Helpful Hints - Destructive Dry Film Thickness Gauges**

- The Tooke Gauge scribe must cut through the coating layers down to the substrate in one cut. Do not repeat cuts on same location if first cut does not reach the substrate.
- A marker of contrasting color to the finish coat color must be used to make a bench mark to identify the top edge of the cut.
- Cutting tips of a Tooke Gauge are interpreted as follows:
  - 10X tip - each division = 0.1 mil (0-3 mils)
  - 2X tip - each division = 0.5 mil (3-20 mils)
  - 1X tip - each division = 1.0 mil (20-50 mils)
- Coating chips can be measured using the TesTex Micrometer or by viewing the cross section through the Tooke Gauge lens. Each line represents one mil thickness.
- A 5% solution of copper sulfate and distilled water is used to differentiate between zinc rich primers and the steel substrate (solution will plate out a copper color on the steel and turn the zinc black).

**Harco / CPS Waterworks**

a Corrpro Company

***“...the combination of coatings and cathodic protection may be more economical and effective than using coatings or cathodic protection alone.”***

***American Water Works Association ANSI/AWWA D104-97 standard.***

Harco / CPS Waterworks is the recognized leader in the field of cathodic protection corrosion control for water storage tanks, water and wastewater treatment units and other related structures. We provide systems and programs, which prevent the loss of metal and the loss of coatings due to corrosion. Properly designed, installed and maintained cathodic protection systems can effectively save a water system owner hundreds of thousands of dollars in maintenance and repair costs on submerged steel surface areas over the design life of the structure.

Harco / CPS Waterworks has provided solutions to the unique corrosion problems of the water industry for over fifty years. We provide all disciplines from complete turnkey installations to continuing monitoring and maintenance services. We have installed systems for Industrial, Municipal, Commercial and Government clients throughout the country and currently provide maintenance services for over 6,000 water storage tanks and treatment facilities nationwide.

Harco / CPS Waterworks provides all work in compliance with AWWA Standard D104-97 and NACE Recommended Practices. We offer a full line of superior quality cathodic protection materials, which are ANSI/NSF 61 classified for drinking water system components. All of our materials and workmanship come with an unconditional one-year guarantee of quality and performance.

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