

DESTRUCTIVE DRY FILM MEASUREMENT

Applications

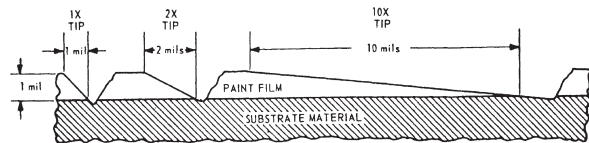
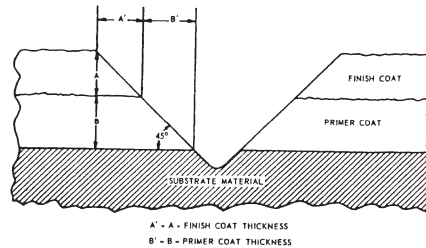
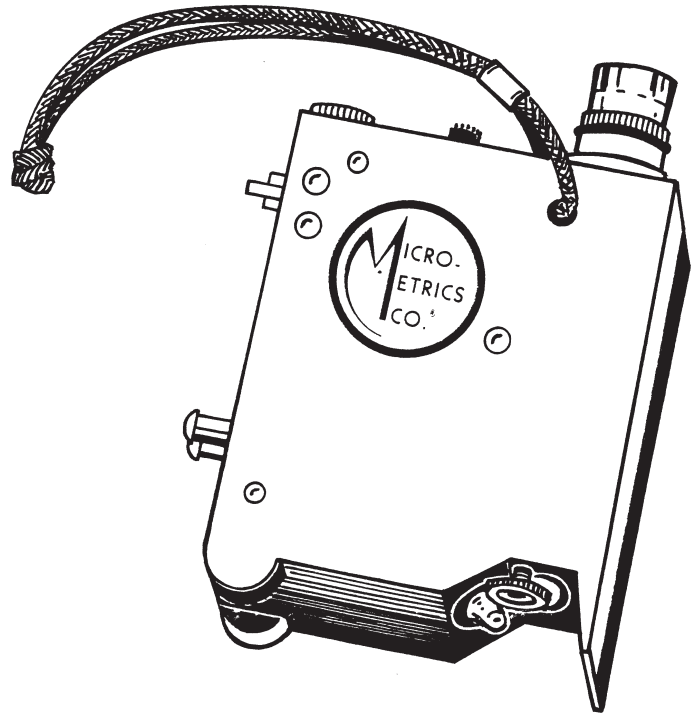
- Direct measurement of total coating thickness, and thickness of individual coats of paint.
- Assessment of substrate conditions and coating adhesion.
- Observation of microscopic cracking, the tendency for brittleness, blistering, cratering, or other microscopic film symptoms.
- Assessment of sandblast cleaning work.
- Measurement of plating and paint thickness on ceramics, metal, wood, and concrete, and protective backing thickness on mirrors.

Operation

- After a small mark is made with brush-pen, the cutter tip is drawn across the surface, applying just sufficient pressure to cleanly penetrate through the film into the substrate.
- The microscope is placed on the scribed line and the intersection of the mark and the cut is viewed. Count the small graduations inwardly until the next layer or the substrate is reached.
- The count *divided by the tip designation* is the film thickness (the gradicle reads 2µm per division with a No 10 cutter, 10µm with a No 2 cutter, and 20µm with a No 1 cutter).

Supplied with:

- Illuminated microscope
- Three cutting tips
- Knurled head tip wrench-switch plate closure screw
- Felt tip marker, extra batteries and bulb
- Carrying case



Specifications

	1x cutter	2x cutter	10x cutter
Max Thickness	1270µm	500µm	75µm
Resolution	±6µm	±3µm	±1µm
Scale division:	25µm	12µm	2.5µm
Magnification	50x		
Dimensions	115 x 90 x 25mm		
Weight	215g		

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