

Destructive Film Thickness Gauge

Destructive Film Thickness Gauge: byko-cut universal

Portable instrument providing sufficient accuracy for laboratory use but also usable at construction sites and in workshops. Ideal for customer service technicians and demonstrations. The BYK-Gardner byko-cut is a universal instrument for:

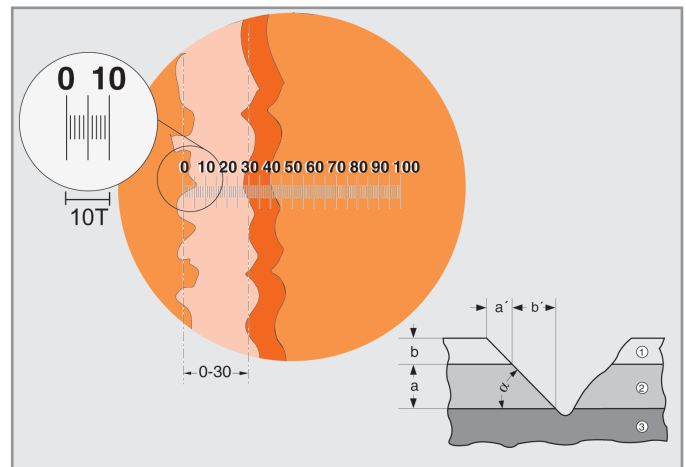
- Measuring film thickness in the range of 2 – 2000 μm (1/8 – 80 mils) on every substrate (steel, non-ferrous metal, plastics, wood, etc.)
- Capable of multi-layer film thickness analysis
- Adhesion test by means of cross-cut test in accordance with ASTM D 3359; DIN 53 151
- Indentation hardness test in accordance with ISO 2815 (Buchholz)
- Microscopic research for pores, pits, cracks, blisters, flaking, intercoat adhesion of the individual film in coat systems, and quality control of the pretreatment of the substrate



Special features

LED illumination

- Ergonomical design
- Guiding wheels for smooth cutting
- Cut finder



Standards

ASTM D4138, D3359,
ASTM D3002,
ISO 2409, 2808, 2815,
DIN 50986, 53151

Catalog Number	3430	3431	3432	3433
Short Description	byko-cut thickness, Metric	byko-cut thickness, English	byko-cut no cutters, Metric	byko-cut no cutters, English
Measurement Unit	microns	mils	microns	mils
Thickness cutters 1 - 3	included		not included	
Measuring Range Mils / μm	2 - 2000 μm	0.125 - 80 mil	2 - 2000 μm	0.125 - 80 mil
Lamp	White LED			
Microscope	50-fold magnification			
Power supply	1.5V Battery (AA)			
Dimensions: L x W x H	11 x 7.5 x 8 cm			
	4.3 x 2.9 x 3.2 in			

Delivery Content

Instrument
For 3430 and 3431: Revolving rotary head with 3 cutters for film thickness (3421,3422,3423)
Built-in microscope (scale 0 - 2 mm)
LED
Battery
Manual
Carrying case

Catalog Number	Short Description
3421	Thickness Cutter 1, 2000, byko-cut
3422	Thickness Cutter 2, 1000, byko-cut
3423	Thickness Cutter 3, 200, byko-cut
3419	Thickness Cutter 100, byko-cut
3420	Thickness Cutter 3000, byko-cut
3427	Buchholz Tool, byko-cut
3434	Buchholz Slip-on Weight, byko-cut
3424	Cross-Cut Blade 11, 1-edge 1.5 mm
3425	Cross-Cut Blade 6, 1-edge 1 mm
3426	Cross-Cut Blade 6, 1-edge 2 mm
3429	Cross-Cut Blade 11, 1-edge 1 mm