

Paint Inspection Gauge (P.I.G.)

BGD 548

Product Description

BGD 548 is a paint inspection gauge which is suitable for use wherever conventional electro-magnetic measuring techniques are ineffective, namely for coatings on wood, concrete, plastics and other non-metallic substrates.

Testing with the BGD 548 is based on the standardized wedge cut procedure: The coating is cut through at a defined angle in such a way that the cut penetrates the substrate. The layer thickness (s) is calculated on the basis of the slope projection (b) of the cut face, determined using a measuring microscope, and the cutting angle (α). Similarly, the individual layer thickness of multilayer systems can be ascertained.



Standards

ASTM D 4138 and AS 1580 Meth 408.1

Technical Specification

The BGD 548 consists of a black painted aluminium block which accommodates the following functional elements:

- Exchangeable carbide tip with precision-ground angular cutting blade (4 cutters included)
 - No.1 Cutter: Measuring range: 20-2,800 μm (Factor: 20 μm)
 - No.2 Cutter: Measuring range: 10-1,400 μm (Factor: 10 μm)
 - No.3 Cutter: Measuring range: 5-700 μm (Factor: 5 μm)
 - No.4 Cutter: Measuring range: 2-2,80 μm (Factor: 2 μm)
- Measuring microscope with a magnification of 30 and a reticle (2.8mm with 1/140 division), which is also suitable for inspection tasks.
- With two wheels design let cutting working is more stable and uniform.
- Battery compartment for 1.5 V battery block.
- Combination of LED and fibre-optic light guide for optimum specimen illumination at low current consumption.
- Measuring Range (standard): range 2~2,800 μm
- Power Supply: 1 pc 1.5V battery
- Overall Size: 110×85×25mm
- Weight: 0.5 KG

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Main Technical Parameters

Ordering Information:

- BGD 548 - Paint Inspection Gauge
- BGD 548/1P - No.1 Cutter (20-2,800 µm)
- BGD 548/2P - No.2 Cutter (10-1,400 µm)
- BGD 548/3P - No.3 Cutter (5-700 µm)
- BGD 548/4P - No.4 Cutter (2-280 µm)

Accessoires

- BGD 548-1P - Special Cutter for P.I.G.: No. 1 Cutter (20-2800µm)
- BGD 548-2P - Special Cutter for P.I.G.: No. 2 Cutter (10-1400µm)
- BGD 548-3P - Special Cutter for P.I.G.: No. 3 Cutter (5-700µm)
- BGD 548-4P - Special Cutter for P.I.G.: No. 4 Cutter (2-280µm)

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