

Dry film thickness gauge

Using magnetic induction or Eddy current, this electronic gauge offers precision thickness measurement of non magnetic coatings such as paints, zinc etc. on steel (F: ferrous probe), and insulating materials on non-ferrous substrates (FN: non-ferrous). The gauge is available with either integral or external F, N or dual FN probes. The FN probe features automatic substrate recognition to simplify operation.

Biuged offer many different types of thickness Gauges to meet with different clients' request under different conditions.



BGD 542 One-body



BGD 543 Separate probe

Ordering Information → Technical Parameters ↓	BGD 542/1	BGD 542/2	BGD 543/1	BGD 543/2	
Type	In built probes		With separate probes		
Operating principle	Only F	F&NF	Only F	F&NF	
Measuring range	0-1250µm/0-50mil (Also can ask for larger range)				
Resolution	0.1/1				
Accuracy	±1-3% or ±2.5µm				
Min. radius work piece	F: Convex 1.5mm/Concave 25mm; N: Convex 3mm/Concave 50mm				
Min. measuring area	6mm				
Min. sample thickness	0.3mm				
Metric/ Imperial	Convertible				
Power supply	4×1.5V AA Battery				
Battery indicator	Low battery indicator				
Operating conditions	0-40℃; 10-90%RH				
Dimension	126×65×27mm				
Weight	81g				
Standard delivery	Main unit	√	√	√	√
	F type probe	√	√	√	√
	N type probe		√		√
	F calibration base set	√	√	√	√
	N calibration base set		√		√
	Calibration foil set	√	√	√	√
	Carrying case	√	√	√	√
	Instruction manual	√	√	√	√
Optional Accessories	Cable & software for RS-232C				