

Elcometer 2050 High Precision Grindometer



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This precision instrument is used to determine particle size and fineness of grind for many materials including paints, pigments, inks, coatings, chocolates and other similar products.

The gauge and its scraper are made of hardened stainless steel and are graduated in microns on the top to an accuracy of $\pm 1\mu\text{m}$ (0.04mil). The groove width is 12mm (0.47") and the groove length is 200mm (7.87").

The high precision Grindometer has a single groove.

Dispersion

From the development of coatings and inks in the laboratory to testing during the production process, quick and precise measurement of the particle size of the material - be it pigments or other similar materials - is one of the essential measurement techniques required for reliable and repeatable formulations.

Elcometer's stringent manufacturing standards ensure that the highest level of precision and quality is maintained for all its gauges in order to comply with the requirements of the industries where the grinding process is involved, particularly in the fields of wet paints and powder, varnishes, printing inks and cosmetics.

Can be used in accordance with

- ASTM D 1210
- AS/NZS 1580.204.1
- DIN 53203
- EN 21524
- FTMS 141 4411.1
- ISO 1524
- JIS K 5600-2-5
- NF T30-046

Standards in grey have been superseded but are still recognised in some industries.

Part Number		Range		Graduation	
Metric	Imperial	μm	mils	μm	mils
K0002050M001	K0US2050M001	0 - 25	0 - 1	1	0.05
K0002050M002	K0US2050M002	0 - 50	0 - 2	2	0.1
K0002050M005	K0US2050M005	0 - 100	0 - 4	5	0.2
K0002050M008	K0US2050M008	0 - 250	0 - 10	12.5	0.5
Tolerance		$\pm 1\mu\text{m}$ (0.04mil)			
Dimensions		250 x 40 x 15mm (9.8 x 1.6 x 0.6")			
Weight		1.45kg (3.2lb)			
Packing List		Elcometer 2050 High Precision Grindometer, scraper, plastic case and operating instructions			

Related products



Elcometer 2020 & 2041

Elcometer 2020 & 2041 Fineness of Grind

These two channel gauges, together with the scrapers, are made of hardened stainless steel and have two grooves with a graded slope (dependent on the model chosen). Graduated in microns, mils, NS (Hegman) or PCU (North), the gauges have a tolerance of $\pm 2\mu\text{m}$ (0.08mil).



Elcometer 2070

Elcometer 2070 NPIRI Fineness of Grind Gauge

This precision instrument is used to determine particle size and the fineness of grind of particles in printing inks. The NPIRI gauge and its scraper are made of hardened stainless steel and the gauge has two grooves with a gentle slope.