

Elcometer 3086 Motorised Pencil Hardness Tester

Traditional pencil hardness testers can be limited in their reproducibility and repeatability by two key factors; the uniformity of the carriage speed and the variation of the applied force by the user as the manual tester is moved across the coating.

The Elcometer 3086 Motorised Pencil Hardness Tester, using the same test methods and principles as the Elcometer 501 pencil hardness tester, removes both of these variables by being fully independent. The internal motor drives the unit at a constant, uniform speed across the coated surface, exerting a fixed, user determined force between 0 - 10N (0 - 2.25lbF).

Using the pencil lead holder, pencil leads of varying hardness values can be quickly interchanged to determine a coating's hardness rating.

Manufactured from anodised aluminium, the Elcometer 3086 can travel forwards (chip method) or backwards (indentation method), as required.



STANDARDS:
 ASTM D 3363, ECCA T4, EN 13523-4, ISO 15184:2012,
 JIS K 5600-5-4

Technical Specification

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Part Number			Description	Certificate
UK 240V	EUR 220V	US 110V		
K0UK3086M001	K0003086M001	K0US3086M001	Elcometer 3086 Motorised Pencil Hardness Tester	o
Dimensions	280 x 140 x 240mm (11 x 5.5 x 9.4")			
Weight	3.8kg (8.4lb)			
Packing list	Elcometer 3086, lead holder, lead set (14 packs of leads, grades 6H to 6B), positioning block, abrasive sharpener, abrasive paper and operating instructions			

Accessories

Part Number	Description	Part Number	Description
KT003084P220	Spare Metal Pencil Lead Holder		
KT003084P001	12 Hardness Leads (6B)	KT003084P008	12 Hardness Leads (F)
KT003084P002	12 Hardness Leads (5B)	KT003084P009	12 Hardness Leads (H)
KT003084P003	12 Hardness Leads (4B)	KT003084P010	12 Hardness Leads (2H)
KT003084P004	12 Hardness Leads (3B)	KT003084P011	10 Hardness Leads (3H)
KT003084P005	12 Hardness Leads (2B)	KT003084P012	10 Hardness Leads (4H)
KT003084P006	12 Hardness Leads (B)	KT003084P013	10 Hardness Leads (5H)
KT003084P007	12 Hardness Leads (HB)	KT003084P014	10 Hardness Leads (6H)

o Optional Calibration Certificate available.