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Elcometer 145

Dust Tape Roller

Operating Instructions

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A copy of this Instruction Manual is available for download on our Website via www.elcometer.com.

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Thank you for your purchase of this Elcometer 145 Dust Tape Roller. Welcome to Elcometer.

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1 ABOUT THIS ACCESSORY

The Dust Tape Roller is used with the Elcometer 142 ISO 8502-3 Dust Tape Test Kit to press the tape to the surface using a controlled constant force between 39.2 and 49.0 N (8.8 and 11.0 lb_F) as described in section 6.2 of the Procedure given in BS EN ISO 8502-3 (BS 7079-B3:1993).

1.1 WHAT THE BOX CONTAINS

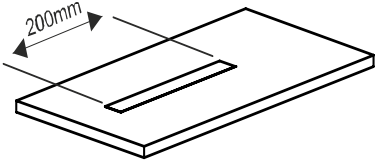
- Elcometer 145 Dust Tape Roller
- Operating Instructions

The Elcometer 145 Dust Tape Roller is packed in a cardboard and foam package. Please ensure that this packaging is disposed of in an environmentally sensitive manner. Consult your local Environmental Authority for further guidance.

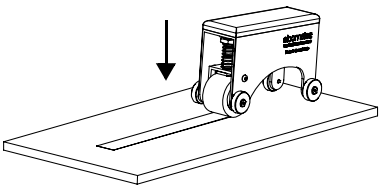
To maximise the benefits of this instrument please take some time to read these Operating Instructions. Do not hesitate to contact Elcometer or your Elcometer supplier if you have any questions.

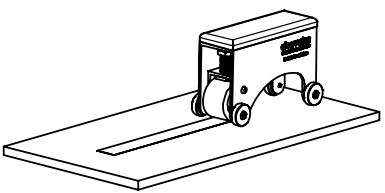
2 USING THIS DUST TAPE ROLLER

1. Remove approximately 200mm (8”) of tape from the Elcometer 142 Dust Tape Kit (Part number E142----1).
2. Place on surface to be tested.

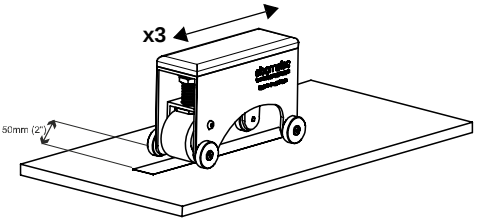


3. Place the roller on the tape (at one end) and push down so all 4 wheels are on the substrate.

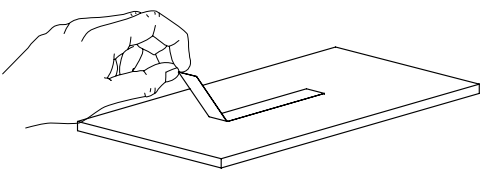




4. Move backwards and forwards over the tape three times in each direction, each stroke taking for 5-6 seconds leaving approximately 50mm (2”) free.



5. Remove tape and assess using the Elcometer 142 Dust Tape Kit.



3 CALIBRATION

The calibrated force is applied to the rubber roller when the top of the unit is pressed down so that the front wheels are on the surface of the substrate next to the tape.

In the event that re-calibration is required the Elcometer 145 Dust Tape Roller should be returned to your local Elcometer supplier or direct to Elcometer.

4 MAINTENANCE

Elcometer products are designed to give many years reliable service under normal operating and storage conditions. The Elcometer 145 Dust Tape Roller does not contain any user-serviceable components. In the unlikely event of a fault, the product should be returned to your local Elcometer supplier or direct to Elcometer. The warranty will be invalidated if any unauthorised attempt to adjust the roller spring assembly instrument has been made.

5 TECHNICAL SPECIFICATION

Load exerted:	39.2 to 49.0 N,(8.8 and 11.0 lb_F) when spring fully depressed
Size:	105 mm x 70 mm x 165 mm (4.13" x 2.76" x 6.50")
Weight:	615 g (21.7 oz)

6 ACCESSORIES

Elcometer 142 Dust Tape Test Kit	E142----1
Test Record Sheet Pad (25 sheets)	T14219451
Display Board	T14219454
Dust Assessment Plate	T14219525
Adhesive Tape for Elcometer 142 Dust Tape Test Kit (1 roll)	T14223003