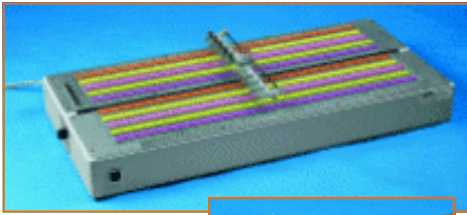
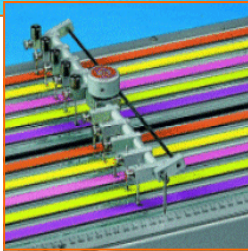


# Elcometer 5300 Ball Type Drying Time Recorder



Elcometer 5300  
Ball Type Drying  
Time Recorder



**At a glance**

- Test up to 10 samples in one go.
- Test samples can be created using the Elcometer 3505 Cube Applicator.

**Elcometer 5300 Ball Type Drying Time Recorder**

Designed to determine paint drying time by linear recording, with up to 10 test positions. Ten rods with hemispherical tips, fitted to a carriage, are brought into contact with the fresh film from one end of the test piece and moved lengthwise on the samples. The drying time is calculated from the distance travelled, measured using a graduated rule along the edge, corresponding to the various stages observed on the trace.

The coatings are applied beforehand on glass strips 25mm (0.98”) wide and 70cm (27.5”) long. Using the Elcometer 3505 Cube Film Applicator it is possible to apply up to five products simultaneously on a glass plate.

- The drying time recorder automatically stops at the end of travel.
- The loading on each ball is 11g, although additional weights can bring this load up to 21 g.
- Supplied with 10 rods, 12 glass strips and 10 x 10g weights.

**Drying Time**

When developing a process, it is often important to know the exact time it takes for the coating to dry or cure.

There are many stages to the coating drying time. Once a coating has been applied, the first stage is that the coating levels off under gravity. Once a coating begins to cure, a thin dry film appears on the surface. The coating then continues to dry and finally after a period of time, the coating is totally cured.

But how do you know when a coating is totally dry?

Using the Elcometer Drying Time Recorder, the operator can easily identify each of the stages of the drying process.

A ball tip is placed into the coating and, using the mathematical formula :  
Distance = Speed x Time; the Elcometer Drying Time Recorder begins to move this ball at a predefined speed. As the coating dries, the trace left in the coating by the ball identifies each stage of the cure.

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 5300/2	Linear Ball-Drying Time Recorder -12 Glass Plates, 6 speed	K0UK5300M002	K0005300M002	K0US5300M002
Accessories	Spare Glass Rule 700 x 25mm (28 x 1”) - set of 10	KT005300P001		
	Spare Ball Tool - set of 5	KT005300P002		
	Additional 10g Overload - set of 5	KT005300P003		
	Spare Glass Plate 700 x 145mm (28 x 5.7”) - set 6	KT005300P004		
Packing List	Elcometer 5300 Ball Type Drying Time Recorder, 12 glass strips, 10 x 10g weights & Operating instructions			

## Related products



Elcometer 5500

This simple device uses ball type stylus which turns in a circle at a set rate. The drying time is evaluated from the condition of the trace and the time is measured using a template.



Elcometer 3505

Designed to be used with the Elcometer 5300 Linear Drying Time Recorder, the cube film applicator provides a thin film strip up to 1mm (40 mils) and is available as a single stripe applicator or as a 5 stripe version.

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