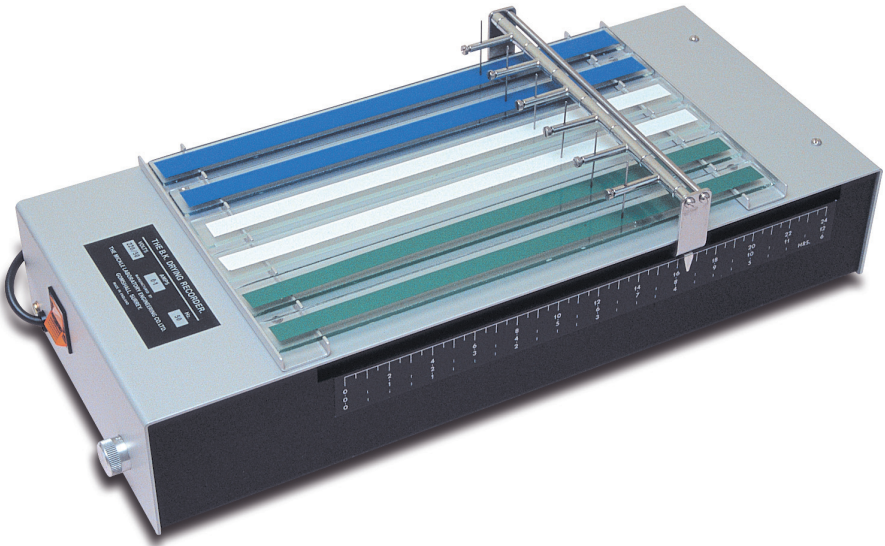


**Drying Time Recorder
Model 504**



testing equipment for quality management



**Precise Recording
of the drying Properties**

**of Paints and
Similar Coatings**

Purpose and Application

The **Drying Time Recorder, Model 504**, automatically determines and registers the drying behaviour of paints and similar coatings.

Test Principle

A needle slides over the coating film at a defined speed. The track produced by the needle varies according to the degree of dryness. The various drying stages are defined by calculating the time and track characteristics of the film under investigation.

Design and Function

The instrument consists of a metal body with a cover plate. This plate serves as a platform for holding 6 glass strips measuring 300 x 25 mm onto which the coatings are applied. The six testing needles are fixed in a carrier device made of steel.

The on/off switch and the control button for adjusting the running time (6, 12 or 24 hours) are located on one side. The instrument features three time scales which correspond to the respective speeds.

The following track definitions conform to the degree of dryness of the coating:

- ◆ No track Coating material runs together behind the needle
- ◆ Continuous track No flow of coating material
- ◆ Rhombic track Incipient surface dryness
- ◆ Continuous track on the surface Incipient through-dryness
- ◆ Interrupted track Incipient non-stickiness
- ◆ No track Incipient handling fastness

To determine the time of each transitional point the carrier device with the test needles is moved back by hand and the needles placed on the appropriate point. The relevant time can then be read off on the time scale.

Accessories

We recommend using the ERICHSEN Quadruple Film Applicator, Model 360, to produce an even, 13 mm wide coating film on the supplied glass strips.

The addition of brass weights increases the tracking force of the needles so that the drying properties of even particularly resistant paints and varnishes can be determined.

Technical Data

Dimensions:	Height: 83 mm
	Width: 470 mm
	Depth: 240 mm
Net weight:	approx. 5.5 kg
Voltage:	230 V AC / 50 Hz
Running length:	300 mm
Running time:	alternatively 6, 12 or 24 h. (other running times on request)

Order Information	
Order No.	Product Name
0504.01.51	Drying Time Recorder, Model 504
Scope of delivery includes:	
◆ 6 glass strips	
◆ 6 test needles	
◆ 1 mains cable	
◆ 1 operating manual	

Accessories / Spares	
Order No.	Product Name
0046.01.31	Quadruple Film Applicator, Model 360 , for film width of 13 mm
0504.03.53	Brass weights (5 g each) for test needles, 6 pieces
0504.01.53	Spare glass strips, 12 pieces
0504.02.53	Spare test needles, 12 pieces

Subject to technical modifications.
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