



51-21... Geltimer GT-S

Standards

DIN 16916, DIN 16945, DIN EN ISO 9396



Application

The Geltimer GT-S is intended for the measurement of Gelation time of reaction resins in accordance with DIN 16 945 Page 1, DIN 16 919 and DIN EN ISO 9396.

Features

Measurement on the Geltimer GT-S is performed under controlled conditions, is automatic and extremely simple to perform. It features exceptionally good reproducibility. Measurements can be made on any desired reaction resin. The instrument is extremely easy to operate and functions virtually maintenance-free.

A measuring stamper of aluminium, or steel for aggressive materials, is moved down and up in the reaction resin which is held in a test tube. When the reaction point is reached the test tube with the resin mixture and the measuring stamper is drawn upward in the reciprocating motion and an optical sensor stops the clock which was set in motion at the commencement of the test. The gelation time can then be read off directly on the clock.

As a result of the modular layout the lower part of the housing can be extended to incorporate electric heating or a thermostatically controlled oil or water bath.

Technical Data (Baseunit 51-210-014)

Time Measurement	0 to 99 h 59 min 59 s
Accuracy	± 1 second / 2 hours
Reciprocating cycle	every 10 secs. (On request other times can be offered)
Operating temperature	0 to 50 °C
Storage temperature	-30 to 70 °C

Technical Data (Heating Block 51-210-018 + 51-210-019)

Temperature range	0 to 250 °C (Actual value display) 30 to 200 °C (on request 250 °C) – (Set value)
Temperature accuracy	± 0,3 % of the scale range ± 1 digit
Resolution	0,1 °C
Stability	± 0,2 °C



Dimensions and Connection (Baseunit 51-210-014)

Dimensions (ØxH)	130 x 420 mm
Weight	~ 2,8 kg
Mains	230 VAC / 24 VAC, 50 / 60 Hz
Power	5 VA

Dimensions and Connection (Heating Block 51-210-018 + 51-210-019)

Dimensions (Ø)	130 mm
Mains	100 VAC ... 240 VAC, 50 / 60 Hz
Power	500 Watt

Partlist

Item no.	Description
51-210-014	Geltimer GT-S
51-210-018	Heating Block Ø 16mm
51-210-019	Temperature controller for heating block
51-210-013	PE foam ring (10 pieces)
51-216-001	Stampers made of aluminium for Geltimer (500 Stück)
0400-22-16160	Test tubes (100) 16 x 160 mm