



51-... Gel Time Measurement Devices

Standards

ASTM D3451, ASTM D3532, ASTM D4217, CAN/CSA-Z245.20, DIN 16 916, DIN 55 990, EN ISO 8130-6, DIN EN ISO 8987, ISO 21809-2



Application

Instruments for determination of gel time and hardening characteristics of powder coatings and resins

Features

The exact surface temperature control and the integrated digital stop watch enable the user to produce repeatable and comparable gel times. Using a measuring spoon the specimen is filled into the polished hollows of the tempered heating plate. Simultaneously the integrated stop watch is turned on. The test piece is stirred with a stirring needle until there are no threads when pulling out the needle. When this point is reached, the watch is stopped and the gel time is read off.

Technical Data

Temperature control	micro processor controller, digital temperature display
Temperature range	+60 ... +250 °C
Temperature accuracy	± 0.1 °C
Digital stop watch	1 sec ... 24 h

Device configuration

Device	Geltest GT 16	Geltest GT 16	Geltest GT 16/20	Geltest GT 20	Geltest GT 20	Geltest GT 100	Geltest GT 150
Polished hollows	1	4	2/2	1	4	plain plate	plain plate
Diameter	16 mm	16 mm	2x16 mm 2x20 mm	20 mm	20 mm	100x100 mm	150x150 mm
Item no.	51-100	51-100-001	51-103	51-104-002	51-104	51-108	51-109



DIN EN
ISO 9001



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DIN EN ISO
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IEC 17025



Dimensions and Connection

Dimensions (WxDxH)	450 x 220 x 240 mm
Weight	approx. 10 kg
Mains	230 V / 50 HZ (optional 115 V / 60 Hz)
Power	450 VA
Interfaces	n.a.
Air	n.a.
Cooling	n.a.
Others	n.a.

Accessories

incl.	Item no.	Description
-	51-114	Dust cover with door made of acryl glass
-	51-126	Handle for stirring pins Ø 1 mm
-	51-125	Handle for stirring pins Ø 2 mm
-	51-127	Stirring pins made of stainless steel Ø 1 mm (1 pack = 100 pieces)
-	51-128	Stirring pins made of stainless steel Ø 2 mm (1 pack = 100 pieces)
-	51-130	Stirring pins made of glass Ø 2 mm (1 pack = 100 pieces)
-	51-131	Measuring spoon for samples 200 mg (± 10 mg)
-	51-136	Cleaning scraper brass Ø 16 mm for hollows
-	51-137	Cleaning scraper brass Ø 20 mm for hollows
-	51-115	External stop watch for Gel Testers (plain plates)
-	51-138	Draw down tool for Gel Testers (plain plates)