



**YASUDA**  
— TESTING THE LIMITS —

# **No.153 GEL TIME TESTER | The Best Suited Tester for Gel Time Measurement of Thermoplastic Resin**

[No.153 GEL TIME TESTER \(MAGNET TYPE\)](#)

[No.153-GTR GEL TIME TESTER \(TORQUE METER TYPE\)](#)

## **No.153 GEL TIME TESTER (MAGNET TYPE)**

This tester is made to easily measure the gelatinization time of thermoset plastic resin. The operator is to put the test specimen into the test tube with a rotating rotor. As the gelatinization progresses and a certain torque forms in the test specimen, the magnetic coupling system will drop the rotor to indicate that the test specimen has gelled.



## **No.153-GTR GEL TIME TESTER (TORQUE METER TYPE)**



This tester continuously records the time series variation of torque during the gelatinization process of thermoset plastic resin.

## No.153 / No.153-GTR Specification

<b>Model</b>	<b>No.153 GEL TIME TESTER (MAGNET TYPE)</b>	<b>No.153-GTR GEL TIME TESTER (TORQUE METER TYPE)</b>
<b>Hangings</b>	2 or 5 Hangings (2 kinds)	1 Hanging
<b>Detecting Torque</b>	3.7 to 4.0 gf·cm	Max. 20.0 mN·m
<b>Temperature Range</b>	Max. 200 °C (Option: Refrigerator 10 to 200 °C)	Max. 200 °C (Option: Refrigerator 10 to 200 °C)
<b>Rotor Rotation Speed</b>	24 rpm (60 Hz), 25 rpm (50 Hz)	24 rpm (60 Hz), 25 rpm (50 Hz)
<b>Timer</b>	Max. 999,999 s or Max. 99 hr 59 min 59 sec	Max. 999,999 s or Max. 99 hr 59 min 59 sec
<b>Accessories</b>	Rotor (φ5 × 110 mm), 100 pcs each Test Tube (Outer φ12 × 90 mm): 100 pcs each	Rotor (φ5 × 110 mm), 100 pcs each Test Tube (Outer φ12 × 90 mm): 100 pcs each
<b>Option</b>	Silicon Oil(2 L)	Silicon Oil(2 L), Software, Chart Recorder
<b>Power Source</b>	AC 100 V, 1-Phase, 10 A, 50/60 Hz	AC 100 V, 1-Phase, 10 A, 50/60 Hz
<b>Dimensions/ Weight (Approx.)</b>	2 Hangings: W360 × D360 × H610 mm/ 30 kg	W570 × D375 × H720 mm/ 30 kg

	<p>5 Hangings:</p>	
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W650 × D375 × H600 mm/

50 kg