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MODEL VR-6155

AUTOMATIC WILLIAMS PLASTOMETER

Outline

This testing machine has parallel plates to install a sample piece in between, and it is compressed at a specified load, then changes of sample weight are examined over the time to observe changeability and fluidity characteristic of sample piece material.

The VR-6155 is a desktop model that integrates all the necessary functions in one unit. It applies specified load and measures sample height in a specified period of time automatically only by putting a sample on a plate and pressing a button.

There are two timers installed on this machine and each can be set individually up to 999 seconds. Both of the timers start simultaneously by a photo sensor installed on the parallel plate.

Sample piece height is shown in the digital display on the operation panel of the machine. And, the data at each specified time can be printed out for recording purpose.

The parallel plate moves back to the initial position when the set time has passed, and a test is completed.



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Feature

- Two individual timers can be set separately for time of sample piece height measurement.
- By automatic motor control of applying and releasing the load, there is no occurrence of dropping of dead weight. While the front door is open, load onto the sample piece will not be applied for safety reason.
- A block gauge is accompanied with the machine for checking the displacement measurement accuracy.

Specification

MODEL	VR-6155
Reference Standard	JIS K6249(Testing methods for uncured and cured silicone rubber) ASTM D926 (Standard Test Method for Rubber Property-Plasticity and Recovery(Parallel Plate Method)) ISO 7323(Rubber, raw and unvulcanized compounded-Determination of plasticity number and recovery number-Parallel plate method)
Dimensions of sample	16mm dia. x 10mm high, Cylindrical shape, Volume $2.0 \pm 0.02 \text{cm}^3$
Loading	$49 \pm 0.05 \text{N}$ (Including weight)
Parallel Plate	Diameter 70mm(120mm as option), Thickness 15mm Smoothness-within 0.01mm, Parallelism-within 0.1mm
Sample height measurement	Stroke 0-15mm, Readout in units of 0.01mm (by encoder)
Recording	Digital display and print out, minimum unit 0.01mm, with function of holding the last indicated data.
Timer of plasticity	Two unit of multi-measurement method digital timer.
Electrical supply	100 – 230V AC, 200VA, 50/60Hz
Dimensions and weight	500(W) × 300(D) × 530(H)mm
Accessories	Power cable, printer paper, height gauge (15mm)

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<Manufacturer>

Ueshima

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