



限りある資源と美しい自然を大切に

MODEL TM-3525

TR TESTER

Outline

This device measures the retraction rate of elongation when a specimen is subjected to a certain elongation, frozen, and then gradually warmed up. The encoder is used to measure the retraction, and a PC is used to set test conditions, display data (TR value, retraction rate), draw graphs (temperature, retraction rate), and save the results to a file.



MODEL TM-3525



株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Features

- Equipped with a dual-stage refrigeration system, ethanol can be cooled down to -73°C. The chiller can be operated on a timer, so testing can be started immediately after the time is set in advance.
- The data measured by the testing machine are linked to the PC, the test data can be automatically aggregated, and the results can be displayed.

Specifications

MODEL	TM-3525
Standard	JIS K 6261-4-2017、ISO2921、ASTM D 1329
Number of Samples	6
Sample Size	Length of parallel part: 50 mm or 100 mm
Temp. Range	-70°C to 20°C
Test Stroke	200 mm max. (for the 50-mm samples) *Initial elongation setting is manual.
Displacement Measurement	Rotary Encoder (2000 P/R) 0.065 mm / P
Cooling Method	Dual-Stage Refrigerator (3 Three-phase AC200V 1.1KW+1.1KW) Timer (99 h 59 min)
Heat Transfer Medium	Ethanol (approx. 18L)
Heating Method	Heater, 3KW thyristor control
Temperature Control	PID-controlled digital temperature controller Sensor PT100Ω
Safety Device	Leakage breaker, overheat protector, float switch
PC Specifications	<ul style="list-style-type: none"> ▪ OS : Windows 10 ▪ Slot : Three PCI slots required ▪ Monitor resolution : 1280×1024 or higher
Data Processing and control	<ul style="list-style-type: none"> ▪ Equipment operation ▪ Test condition setup ▪ Data display (TR values, retraction rate) ▪ Graphic display (temperature - retraction) ▪ Filing (Data, Test Conditions, PID Settings)
Weight	210 Kg(without heat transfer medium)
Power Supply	Three-phase AC200V, 6KVA
Outer Dimensions	520(W)×780(D)×1790(H)mm

UESHIMA SEISAKUSHO CO., LTD.

<Manufacturer>

Ueshima

UESHIMA SEISAKUSHO CO., LTD.

6-5-22, Yaho, Kunitachi-shi, Tokyo 186-0011, Japan

TEL.81-42-572-1397 FAX.81-42-573-1520

E-mail:sales@ueshima-seisakusho.com

<http://www.ueshima-seisakusho.com>

※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment.

027-468731-2