



限りある資源と美しい自然を大切に

SERIES TM-2530

GEHMAN'S TORSION TESTER

Outline

Rubber loses resiliency as temperature goes down. The frozen rubber can't keep its essential characteristics under the temperature below Glass Transition Point.

In fact, the rubber applications under severe environments such as vehicle tire in frozen area and aircraft components in the stratosphere are seriously affected.

It is a vital importance with the rubber applicants to test low temperature characteristics of vulcanized rubber.

Our Gehman's torsion tester is the most popular testing machine for this purpose and is adopted by JIS K6261(Equivalent to ISO 1432) for low temperature testing method of vulcanized rubber.

The Model TM-2530 satisfies performance requirements specified by the standard JIS K6261, and equips with the exclusive use frozen machine.

It is also designed to perform measurement and data processing in a full automatic for easier operation.



MODEL TM-2535



QMS . EMS
ISO 9001
ISO 14001
JSAQ1320, JSAE1529



JAB
CM001

株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Feature

- Simultaneous tests of 6 specimens including one specimen which twist/low temperature characteristics is known. The testing capability of this is recommended by the standard JIS K6261 for reliable test data.
- Temperature-apparent torsional modulus of rigidity curve is also displayed and recorded in addition to temperature-twist angle curve.
- The computer calculates not only relative modulus but also glass transition temperature (T_g) which is an important measure of low temperature characteristics of rubber.

Specification

Model	TM-2535	TM-2536
Applicable Standard	JIS K 6261, ISO 1432	
Cooling Method	Refrigerator	Dry Ice
Number of Samples	6 (simultaneous measurement)	
Temp. Range	-70°C - RT(23°C±2°C)	
Temp. Rising	Every 5°C (kept at each set temp. for 5 min.)	
Temp. Control	PID controlled digital temperature controller, sensor PT100Ω	
Heat Transfer Medium	Ethanol	
Torsion Angle Setting	Rotary encoder, minimum angle display: 0.36°	
Data Processing	Data (glass transition temp. T _g) display Graph (temp. - torsion angle curve, temp. - apparent torsion modulus curve) Filing (data, test conditions, PID setting) Release of torsion wire	
Safety Device	leakage breaker, overheat protector	
Power Supply	200VAC, 3 phases, 30A, 50/60Hz (100VAC for PC) or specified voltage	200VAC, 3 phases, 20A, 50/60Hz (100VAC for PC) or specified voltage
Dimensions (main body)	(W)520 x (D)780 x (H)1505 mm	(W)520 x (D)780 x (H)880 mm

UESHIMA SEISAKUSHO CO., LTD.

<Manufacturer>

Ueshima

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment. 027-468233-3