

No.145-G GEHMAN STIFFNESS TESTER | For Testing the Low Temperature Stiffness of Thermoplastic Rubber and Vulcanized Rubber

No.145-G GEHMAN STIFFNESS TESTER



JIS-K6261、 ISO-1432

This tester is used to determine the relative stiffness characteristics of vulcanized or thermoplastic rubber. The tester will record the torsion angle of the test specimen 10 seconds later for which has been twisted to an angle of 180 degrees. This procedure is to be done from 23 °C to the lowest test temperature of the test, so that the temperature (T2, T5, T10, and T100) of which the modulus values are at 2, 5, 10, and 100 can be obtained from the Temp. – Angle curve.

No.145-G Specification

Hangings	4 Hangings
Specimen	L40.0 ± 2.5 mm, W3.0 ± 0.2 mm, T2.0 ± 0.2 mm
Torsion Wire	L: 65 ± 8 mm, Torsional Constant: 2.81 mN·m/rad (Standard Wire) 0.70 m N.m/rad, 11, 24 m N.m/rad
Chuck Distance	25 ± 3 mm
Torsion Angle Measurement	Rotary Encoder, Detection: 0.1°
Temperature Range	-70 to 30 °C (Refrigerator & Refrigeration Medium)
Refrigeration Medium Amount	Approx. 8 L
Temperature Rise	5 °C interval (Condition Controlling Time: 5 min)
Software	Windows Compatible
Accessories	Specimen Setting Jig, Specimen Cutter, Torsion Wire Jig: 1 pc each
Power Source	AC 200 V, 3-Phase, 20 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W720 × D780 × H1,840 mm, 250 kg