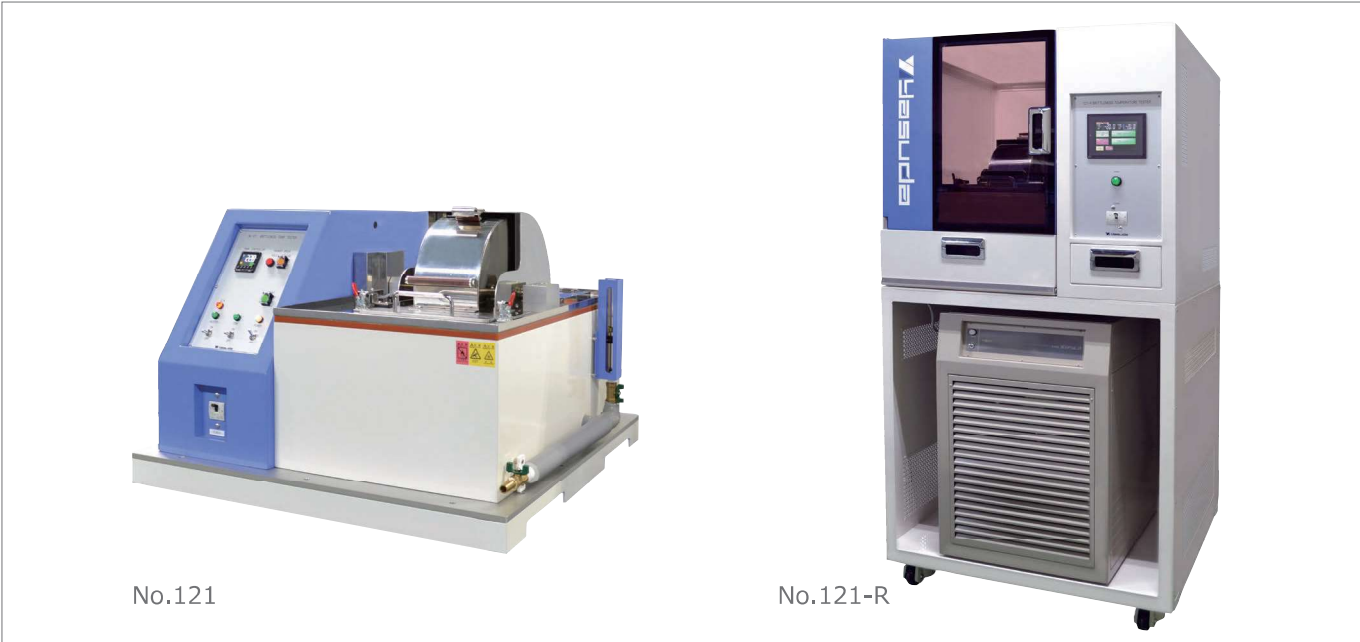




No. **121** BRITTLENESS TEMPERATURE TESTER 

No. **121-R** BRITTLENESS TEMPERATURE TESTER (WITH REFRIGERATING MACHINE) 



JIS-C3005, K6261, K6723, K7216, ASTM-D746, ISO-812, 974

➤ FEATURE

■ No.121 BRITTLENESS TEMPERATURE TESTER  
 This tester is used to measure the 50% impact brittleness temperature of plastic, rubber, and electric insulated wire at low temperatures. By attaching one end of the test specimen to the holder and impacting the other end, the operator is to check for any damage to the test specimen. The 50% impact brittleness temperature is calculated from the amount of damaged samples. The refrigerating method is dry ice for this model.

■ No.121-R BRITTLENESS TEMPERATURE TESTER (WITH REFRIGERATING MACHINE)  
 This tester is used to measure the 50% impact brittleness temperature of plastic, rubber, and electric insulated wire at low temperature. By attaching one end of the test specimen to the holder and impacting the other end, the operator is to check for any breaks to the test specimen. This model type is equipped with a refrigerator.

➤ SPECIFICATION

Model	No.121	No.121-R
Hangings	5 Hangings (1 Holder)	
Specimen	W6.0 ± 1.0 mm, L26 to 40 mm, T2.0 ± 0.2 mm (Type A)	
Striker Edge	Top R1.6 ± 0.1 mm, Distance to Chuck 6.4 ± 0.2 mm, Distance to Striking Point 8.0 ± 0.2 mm	
Striking Speed	2.0 ± 0.2 m/s	
Temperature Range	Room Temperature to -70 °C (Dry Ice & Refrigeration Medium)	Room Temperature to -70 °C (Refrigerator & Refrigeration Medium) (Option: Combined with Liquid Nitrogen -100 °C)
Accessories	Tightening Rod, Torque Driver, Specimen Cutter	
Option	Rotary Holder (5 Hangings × 4 Holders), Specimen Holder (Type B)	
Power Source	AC 100 V, 1-Phase, 15 A, 50/60 Hz	AC 200 V, 3-Phase, 30 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W770 × D830 × H550 mm/ 140 kg	W830 × D950 × H1,650 mm/ 400 kg

\*Power source, dimensions, weight may differ by specifications.



**No. 121-RA** BRITTLNESS TEMPERATURE TESTER (WITH REFRIGERATING MACHINE/ ROTARY HOLDER TYPE) 

**No. 121-AUTO** BRITTLNESS TEMPERATURE TESTER (FULLY AUTOMATIC) 

PLASTIC - RUBBER

ELECTRIC WIRE - CORD

LEATHER - VINYL LEATHER CLOTH

PAPER - PULP

TEXTILE - DYEING

PAINT - PIGMENT - INK



JIS-C3005, K6261, K6723, K7216, ASTM-D746, ISO-812, 974

▶ FEATURE

■ No.121-RA BRITTLNESS TEMPERATURE TESTER (WITH REFRIGERATING MACHINE/ ROTARY HOLDER TYPE)

This tester is equipped with a rotary holder to continuously run a maximum of 4 tests. The test conditions (test temperature and dip time) for each of the 4 tests can be set via touch panel screen, enabling continuous efficient testing.

■ No.121-AUTO BRITTLNESS TEMPERATURE TESTER (FULLY AUTOMATIC)

This tester is the fully automatic version of the BRITTLNESS TEMPERATURE TESTER. By inputting the test conditions via computer software, the operator can continuously run 40 tests (200 samples) in a row.

▶ SPECIFICATION

Model	No.121-RA	No.121-AUTO
Hangings	5 Hangings × 4 Holders (Total 20 Hangings), Automatic Operation System	5 Hangings × 40 Holders (Total 200 Hangings)
Specimen	W6.0 ± 1.0 mm, L26 to 40 mm, T2.0 ± 0.2 mm (Type A)	
Striker Edge	Top R1.6 ± 0.1 mm, Distance to Chuck 6.4 ± 0.2 mm, Distance to Striking Point 8.0 ± 0.2 mm	
Striking Speed	2.0 ± 0.2 m/s	
Temperature Range	Room Temperature to -70 °C (Refrigerator & Refrigeration Medium)	
Software	-	Windows Compatible
Accessories	Tightening Rod, Torque Driver, Specimen Cutter	
Option	Specimen Holder (Type B)	
Power Source	AC 200 V, 3-Phase, 30 A, 50/60 Hz	
Air Source	0.5 MPa or More	
Dimensions/ Weight (Approx.)	W830 × D950 × H1,650 mm/ 400 kg	W1,200 × D1,000 × H2,150 mm/ 450 kg

\*Power source, dimensions, weight may differ by specifications.