



No. **119** DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER 

No. **119-L** DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER (WITH REFRIGERATING MACHINE) 

No. **119-L-VR** DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER (WITH REFRIGERATING MACHINE/ PICTURE BREAK DETECTION FUNCTION) 



No.119

No.119-L

No.119-L-VR

JIS-K6260, ASTM-D813, BS-903, ISO-132

▶ FEATURE

■ No.119 DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER

This tester is used to measure the appearance of cracks and the growth of the cracks to vulcanized rubber and thermo-plastic rubber by applying repetitive bending stress. The test is conducted by setting the test specimen onto the parallelly allocated Chucks and applying repetitive bending stress.

■ No.119-L DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER (WITH REFRIGERATING MACHINE)

The L type of the DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER is assorted with a refrigerating Machine.

This enables for flex-cracking and crack growth testing at low temperatures.

■ No.119-L-VR DE MATTIA FLEX-CRACKING AND CRACK GROWTH TESTER (WITH REFRIGERATING MACHINE/ PICTURE BREAK DETECTION FUNCTION)

This tester is equipped with a super-high-speed camera, which enables the operator to observe and save the status and progression of the growth of the cracks. Since the test can be monitored by the super-high-speed camera, the test can be run without any discontinuance.

▶ SPECIFICATION

Model	No.119	No.119-L	No.119-L-VR
Hangings	6 Hangings	6 Hangings or 20 Hangings	12 Hangings
Specimen	W25 ± 0.1 mm, L140 to 155 mm, T6.30 ± 0.15 mm, Groove of R2.38 ± 0.03 mm		
Chuck Distance	Max. 75 ⁺¹ / ₀ mm		
Flexing Distance	Max. 60 mm (Standard 57 ^{+0.5} / ₀ mm)		
Flexing Speed	300 ± 10 times/min		
Counter	6 Digits Preset Counter, 6 Digits Running Counter		8 Digits Preset Counter, 8 Digits Running Counter
Timer	-	-	Max. 999 hr
Temperature Range	-	-35 to 150 °C (Refrigerator)	
Break Detection	-	-	High Speed Digital Picture Camera
Accessories	Specimen Setting Gauge, Notching Blade		
Option	Notching Device		
Power Source	AC 200 V, 3-Phase, 15 A, 50/60 Hz	AC 200 V, 3-Phase, 40 A, 50/60 Hz	AC 200 V, 3-Phase, 40 A, 50/60 Hz
Dimensions/ Weight (Approx.)	W700 × D610 × H980 mm/ 180 kg	6 Hangings: W920 × D830 × H1,650 mm/ 470 kg 20 Hangings: W920 × D830 × H1,650 mm/ 500 kg	W1,100 × D1,000 × H1,825 mm/ 450 kg

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