

Low Temperature Schildknecht Flex Fatigue Tester GT-C47B



Application:

This machine applies to test the resistance to repeated flexing of the coated fabrics under low temperature. And provide a reference to improve the fabrics.

Principle:

A rectangular strip of coated fabric is mounted around two opposing cylinders so that the test piece takes a cylindrical form. One of the cylinders reciprocates along its axis, causing the coated-fabric cylinder to be alternately compressed and relaxed, thus inducing folds in the test piece. This folding of the coated-fabric cylinder is continued for either a pre-set number of cycles or until damage to the test piece is apparent.

Key Specifications

Model	GT-C47B
Clamps	10Sets (stainless steel)
Rotate Speed	8.3Hz±0.4Hz (498±24r/min)
External Diameter of the Cylinder	25.4mm±0.1mm
Test Track	Arc-shaped, R460mm
Test Stroke	11.7mm±0.35mm
Lathedog Width	10mm±1mm
Inner Distance of the Lathedog	36mm±1mm
Size of the Specimen	50mm×105mm
Counter	LCD, 0 - 999,999.(Adjustment)
Temperature Control System	Programmable Microprocessor Control (Touch Screen)
Temperature range	-30~100℃
Power Supply	1φAC220V 50/60HZ
Weight	300kg
Standard	ISO 7854, BS 3424: Part 9, GB/T 12586, EN 14325