No. 120-SAS MELT FLOW INDEX TESTER (AUTOMATIC)

No. 120-LABOT MELT FLOW INDEX TESTER (FULL AUTOMATIC)

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JIS-K6719-1/2, K6921-2, K6922-2, K6923-1, K6924-1, K6926-2, K7210-1, ASTM-D1238, ISO-1133-1

FEATURE

■ No.120-SAS MELT FLOW INDEX TESTER (AUTOMATIC)

This model is the automatic version of the MELT FLOW INDEX TESTER, equipped with a robotic mechanism, which can conduct a complete test cycle from measurement to cleaning. The melt flow index is acquired from the weight or the volume of the extruded specimen at a specified cylinder temperature and with a specified load of piston through the die. The tester is assorted with an automatic cleaning system which enables performing on entire test cycle without discontinuation.

■ 120-LABOT MELT FLOW INDEX TESTER (FULL AUTOMATIC)

This model is the fully automated version of the MELT FLOW INDEX TESTER, equipped with a robotic mechanism which enables full automatic melt flow index tests up to a maximum of 50 samples (standard of 12 samples). The test conditions and the outputs can be set and observed through the computer software.

SPECIFICATION

Model	No.120-SAS	No.120-LABOT
Hangings	1 Hanging or 3 Hangings (2 kinds)	12 Hangings, 24 Hangings or 50 Hangings (3 kinds)
Die	φ2.095 ± 0.005 mm, L8.000 ± 0.025 mm	
Piston	Head Diameter φ9.474 ± 0.007 mm, Head Length L6.35 ± 0.10 mm	
Cylinder	Inner φ9.550 ± 0.007 mm, L160 mm	
Temperature Range	Max. 300 ˚C (Option: 400 ˚C)	
Test Load	Choose the Largest Load from 0.325, 1.20, 2.16, 3.80, 5.00, 10.00 or 21.60 kgf	
Test Method	Method A: Manual (Option: Automatic), Method B: Automatic	
Specimen Feeding	Automatic	
Weight Loading	Automatic	
Weight Change	Manual (Option: Automatic)	
Cylinder Cleaning	Automatic (Solvent cleaning can also be automatic)	
Die Cleaning	Automatic	
Piston Cleaning	Manual (Option: Automatic)	Automatic
Die Cleaning Rod Cleaning	Manual (Option: Automatic)	Automatic
Cleaning Gauze Feeding	Manual	Automatic
Data Processing	Method A: Manual (Option: Automatic) Method B: Automatic	
Method B Measuring	Rotary Encoder	
Software	Windows Compatible	
Accessories	Cleaning Rod (Die & Cylinder), Solvent Cleaning Device, Specimen Sample Cup, Cup Holder, Funnel, Die Gauge, Spirit Level, Dust Box, Gauze, Air Gun	
Option	Air Compressor, Temperature Calibration Device	Specimen Purging Device, Specimen Drying Device, Air Compressor, Temperature Calibration Device, Exhaust Fan, Smoke-Detection Sensor
Power Source	AC 100 V, 1-Phase, 15 A, 50/60 Hz AC 200 V, 1-Phase, 20 A, 50/60 Hz (ISO-1133-2 Compatable Type)	
Air Source	0.5 MPa or More	
Dimensions/ Weight (Approx.)	1 Hanging: W625 × D600 × H1,150 mm/ 100 kg 3 Hangings: W625 × D680 × H1,150 mm/ 120 kg	12, 24 Hangings: W950 × D700 × H1,750 mm/ 300 kg 50 Hangings: W1,100 × D700 × H1,750 mm/ 350 kg

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