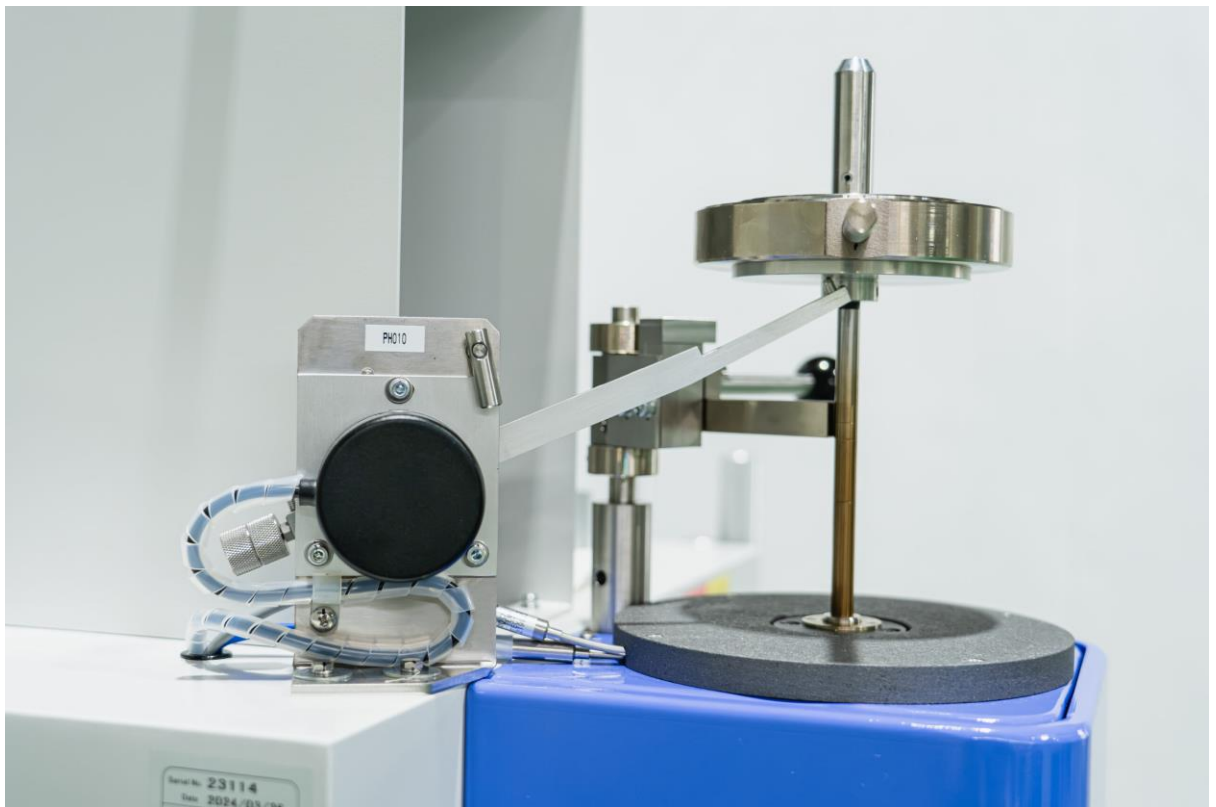


No.120-FWP Melt Flow Index Tester (Manual)



Rotary Encoder Standard-Equipped

Supports both Procedure A and Procedure B Testing in Standard Configuration

The rotary encoder is standard-equipped, allowing Procedure A and Procedure B testing in the standard configuration. Additionally, during Procedure A testing, the rotary encoder precisely tracks the piston position, ensuring accurate measurements between standard markings as required by respective test standards, regardless of the operator's skill level.



- **Automated Sample Cutting**

- **Pneumatic Procedure A Cutter**

During Procedure A testing, molten samples are automatically cut. In melt flow testing, handling high-temperature samples is potentially hazardous as hands may come near heated areas, and sample temperatures are also high. Operator experience may also lead to variations in test results. The adoption of this automated cutter enhances safety and reduces human error.

Reference Standards	JIS K 6719-1/2, K 6921-2, K 6922-2, K 6923-1, K 6924-1, K 6926-2, K 7210-1, I
Number of Samples	1 sample per test
Die	$\phi 2.095 \pm 0.005$ mm, L8.000 ± 0.025 mm
Piston	Head Diameter $\phi 9.474 \pm 0.007$ mm, Head Length L6.35 ± 0.10 mm
Cylinder	Inner $\phi 9.550 \pm 0.007$ mm, L160 mm
Temperature Range	Max. 400 °C
Initial Weight	0.325 kgf
Additional Weight	1.20 – 21.60 kgf (* See Option Tab)
Test Method	Method A: Manual (Option: Automatic) Method B: Automatic
Sample Feeding	Manual
Weight Loading	Manual (Option: Automatic)
Weight Change	Manual
Cylinder Cleaning	Manual
Die Cleaning	Manual
Piston Cleaning	Manual
Data Processing	Method A: Automatic (Measuring the weight of the cut off sample is done b Method B: Automatic
Method B Measuring	Rotary Encoder
Power Source	AC 100 V, 1-Phase, 15 A, 50/60 Hz or AC 200 V, 1-Phase, 10 A, 50/60 Hz

Air Source	0.5 MPa or More (For Method A Cutting Device / Pneumatic Weight Loading)
Dimensions / Weight(Approx.)	No.120FWP: W660× D450 × H1,020 mm/75 kg



Large Full-Color Touchscreen

Applicable for Validating Data Quality

Manual MFR testing requires precise timing. This model features a large, full-color touchscreen with high visibility, helping prevent operational mistakes during testing. Preheating and testing times (cutting intervals) are visualized with a progress bar, and the buzzer signals the cut timing, making operation easier. After testing, simply input the sample mass to automatically calculate, display, and save the MFR value. The device supports four languages: Japanese, English, Chinese, and Korean.

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