

MFI MELT FLOW INDEXERS / EXTRUSION PLASTOMETERS - TORONMFI™ -A



MFI Melt Flow Indexers / Extrusion Plastometers - ToronMFI™-A is a cost-effective, tabletop Melt Flow Indexer designed to measure the melt mass-flow rate (MFR) of various thermoplastic raw materials, including granules and film strips. It complies with ASTM D 1238 and ISO 1133 standards, making it especially valuable for quality control testing of thermoplastics.

APPLICATIONS

MFI Melt Flow Indexers Extrusion Plastometers - ToronMFI-A

MFI Melt Flow Indexers Extrusion Plastometers

- **Plastics & Polymers Industry** - Measurement of melt mass-flow rate (MFR) for thermoplastic raw materials such as granules and film strips to ensure consistency in processing.
- **Packaging Industry** - Quality control of plastic films, sheets, and packaging materials to evaluate processability and performance.
- **Automotive Industry** - Testing of thermoplastic components and raw materials to verify flow properties before molding and extrusion.
- **Electronics & Consumer Goods** - Assessment of polymer flow behavior for components requiring precise molding and durability.

- **Textile & Fiber Industry** - Evaluation of polymer granules and resins used in synthetic fiber production.
- **Research & Academia** - Material property analysis and educational use in laboratories for polymer characterization.
- **Independent Testing & Certification Labs** - Standardized MFR testing in compliance with ASTM D1238 and ISO 1133 for material verification and certification.

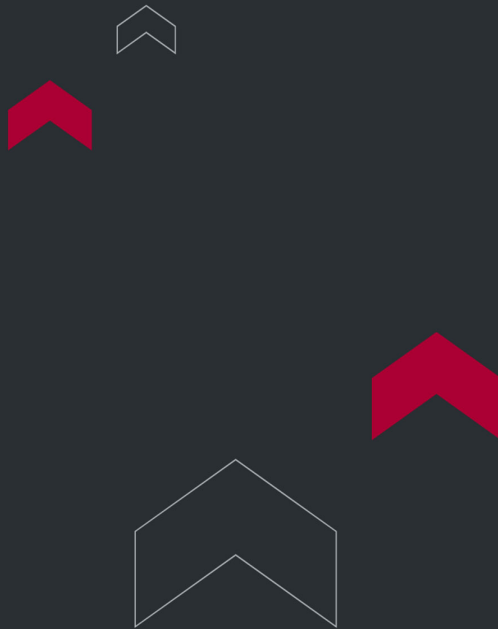
FEATURES

1. **High Accuracy** – The built-in microprocessor ensures precise temperature control within $\pm 0.5^{\circ}\text{C}$, with a fast ramp-up to the set point. The built-in scraper mechanism automatically cuts extruded material at preset intervals, adjustable to ± 0.1 seconds.
2. **Easy to Use** – Measuring melt flow rate has never been more efficient or convenient. The tester comes fully equipped with all necessary accessories and weights for seamless operation and maintenance. Simply plug it in and start testing—no additional purchases required.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Temperature Control Range	50°C to 450°C
Temperature Accuracy	+/-0.5°C
Temperature rising time	<30min
Temperature fluctuation	$\pm 0.5^{\circ}\text{C}$

Parameter	Specification
Temperature display error	$\leq \pm 0.2^{\circ}\text{C}$
Display mode	LCD
Temperature Recovery time	<4min
Accuracy of timer	0.01°C
Measurement range	(0.1g to 100g) /10 Min (MFR)
Voltage	220V 50HZ/60HZ (110V is also available)



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