

# MELT FLOW INDEXER

**TMFI-A1 Series**



Melt flow Indexer TMFI-A1 series has compact structure & attractive design & with high quality performance & reliable results, it can measure (melt mass flow rate) MFR, (melt volume flow rate) MVR of the sample, melt density of thermos-resins. Adopted with standard module combination structure, it can upgrade and changed the type directly, with accuracy of the results. It is designed in accordance with latest ISO international standards.

### Features

- LCD digital display
- Can perform three measurements: MFR/MVR/ Density
- Can cut the material manually or automatically
- Adopted with Microprocessor PID temperature controller
- Cleaning & calibration accessories for reliable performance
- Easy to use/operate

### Application

Melt flow indexer is used to determine the melt mass-flow (MFR), the melt volume-flow rate (MFV) and the melt density of thermos-resins, polycarbonates, nylon & plastic material.

## Specifications

Model no.	TMFI-A10	TMFI-A11
Measuring range	0.01 to 600.00 g/ 10 min (MFR) 0.01 to 600.00 cm/ 10 min (MVR) 0.001 to 9.999 g/cm (melt density)	0.01to 600.00 g/ 10 min (MFR) 0.01 to 600.00 cm <sup>3</sup> / 10 min (MVR) 0.001 to 9.999 g/ cm <sup>3</sup> (melt density)
Measuring rate	0.001 S	
Temperature range	50 to 400 °C	
Temperature precision	± 0.5 °C	
Resolution	0.1 °C	
Accuracy	0.5 %	
Weights	0.325 kg, 1.2 kg, 2.16 kg, 3.8 kg, 10.0 kg, 12.5 kg, 21.6 kg	nil
Material canister dimension	nil	Inside diameter: 9.55 ± 0.025 mm & length: 160 mm
Piston dimension	nil	Diameter: 9.457 ± 0.01 mm & mass: 106 g
Dimension	600×400×500 mm	
Net weight	85 kg	
Gross weight	98 kg	110 kg
Power	550 W	
Power supply	220/ 110 V, 50/60 Hz	

**Accessories:**

- **Cleaning accessories:** clean material pole
- **Calibration accessories:** water level bubble