

## SKZ145 LCD Melt Flow Indexer



To determine the melt mass-flow MFR ( $\text{g}/10\text{min}$ ), the melt volume-flow rate MFV ( $\text{cm}^3/10\text{min}$ ) and the melt density of thermo resin, for the engineering plastics of polycarbonate, nylon and fluorine plastics, etc, whose melt temperature are higher, but also fit for the plastics tests of polyethylene, polystyrene, polypropylene, ABS resin and poly-formaldehyde resin, etc, whose melt temperature are lower, it is widely applied to the fields of plastics materials, product, petrochemical

**Standards:** GB 3682, ISO 1133, ASTM D 1238, DIN 53735, UNI-5640, JJB878, and made according to JB/T5465 (Technical Standard of Melting Flow Rate Instrument).

### Tests performed:

1. Adopts PID temperature control, digital display,
2. It can cut material automatically and manually,
3. It has two measuring method: melt mass-flow & melt volume-flow: MFR and MVR,
4. Print out the test report with built-in printer.
5. Also can be connect to PC controlled (optional with extra charge)

### Main technical parameter:

Measuring range: 0.01-600.00  $\text{g}/10\text{min}$  (MFR)

0.01-600.00  $\text{cm}^3/10\text{min}$  (MVR)

0.001-9.999  $\text{g}/\text{cm}$  (melt density)

Temperature range: 50-400 $^{\circ}\text{C}$

Temperature precision:  $\pm 0.5^{\circ}\text{C}$  resolution: 0.1 $^{\circ}\text{C}$

Material canister inside diameter 9.55 $\pm$ 0.025mm length: 160mm

Piston diameter 9.457±0.01mm    mass: 106g  
 Mould inside diameter 2.095mm    length: 8±0.025mm  
 Load: full load  
 Base weight: (piston weight + base poise weight) 0.325Kg.  
 Weights: 0.875Kg, 1.290Kg, 1.835Kg, 3.475Kg, 4.675Kg, 5.000Kg, 5.000Kg one each  
 (may freewill combination )  
 Accuracy: 0.5%  
 Cleaning accessories: clear material pole  
 Calibration accessories: water level bubble  
 Measuring method: MFR MVR/ DENSITY  
 Supply Power: 220V±10% 50Hz    Heat up power: about 550W  
 Outline size: ( length\*width\*height )    600\*400\*500 (unit: mm)  
 Net weight: 85Kg    Gross weight: 135Kg

**Packing list:**

Mainframe	one
Base weight	one
Weight	one (six sort's seven pieces)
Piston	one
Mould	one
Oriented sheath	one
Water level bubble	one
Hopper	one
Clear material pole	one
Mould bore	one
Material check	one
Provide English explanation	one each

**Optional accessory:**

**Balance AR124CN**



Scale (g): 120  
 Minimum reading (g): 0.0001  
 Repeatability sd (g): 0.0001  
 Linearity error (g): ± 0.0002  
 Typical stabilization time: 4s  
 Accuracy class: I  
 Calibration Automatic external calibration with weights  
 Pan size (mm): Diameter 90  
 Pan above the effective height (mm): 240  
 Dimensions (width X height X length) (mm): 217 x 365 x 343  
 NW / GW (kg): 5.7/9.5