HST-XNR-400DA Automatic melt flow rate tester

Product Introduction

Note: The picture is for reference only

Application

The instrument meets the GB/T 3682-2018 Technical requirements for Thermoplastic melt flow rate test method, it′ s crucial to the production technology and quality control of medical and health protection materials such as medical masks, surgical gowns,protective clothing, and polypropylene resins for melt-blown and spunbond non-woven fabric.

Its main parameters meet the requirements of ISO1133-2005 ASTM1238 standard and can be used for the determination of melt flow rate of polyethylene, polypropylene, polystyrene, ABS, polyamide, fiber resin, acrylate, polyformaldehyde, fluorine plastics, polycarbonate and other materials.

Main technical parameters and accuracy

1、Standard part parameters：

（1）Barrel parameter：Inner hole:Φ9.550mm±0.007mm

（2）Piston parameter：Piston headΦ9.474mm±0.007mm
（3）Piston head length：H=6.35mm±0.1mm
（4）Internal diameter of die：Φ2.095mm±0.005mm
（5）Die length(Flow channel length）：8.00mm±0.025mm

2、Temperature control parameters：
（1）Temperature control range：80℃~400℃；
（2）Temperature control accuracy：±0.2℃
（3）Display resolution：0.1℃；
（4）Max power consumption：≤1.5Kw
（5）Temperature recovery time：4min（GB)/6min(ASTM)

3、Position detection：
（1）Upper and lower position ring distance：30mm ，（Can be measured by displacement measuring device 20mm， 10mm,5mm， 3mm， 2mm, 1mm）
（2）Control accuracy：±0.1mm

4、Equipment weight：167kg　　Packed weight：182kg
5、Equipment dimension:(L*W*H)750*560*1130mm　　Packed dimension：660*560*1300mm
6、Power supply：AC 220V　1.5Kw

7、Index range：（0.1-100）g / 10min