

HST-XNR-400B MFR&MVR Digital Display Melt Flow Indexer



Which products to test



Glass fiber plastic



Polypropylene



Polycarbonate



Polyethylene



Nylon



Teflon



PVC



ABS

Application

This series high-precision melt flow rate instrument tester, used for testing all kinds of plastic, resin in the state of viscous flow through a certain temperature and load, every 10 min module and melt flow rate through the standard port MFR value, it is suitable for high temperature of polycarbonate, aromatic sulfone, fluorine plastics, nylon engineering plastics, can also be applied to polyethylene (PE), polystyrene (PS), polypropylene (PP), ABS resin, polyformaldehyde (POM), polycarbonate (PC) resin with lower melting temperature, such as plastic test, widely used in plastic production, plastic products, petrochemical industry and related colleges and universities.

Standards:

GB/T3682-2000 "Determination of Thermoplastic Melt Flow Rate and Melt Volume Flow Rate"

ISO 1133: 1997 "Determination of Thermoplastic Melt Mass Flow Rate MFR and Melt Volume Flow Rate MVR"

ASTM D1238 "Standard Test Method for Measuring Thermoplastic Melt Flow Rate by Extrusion Plastometer"

Specifications

Model	HST-XNR-400B
Measuring Range	0.1-800.00g/10min(MFR) 0.1-800.00 cm ³ /10min(MVR)
Test method	Quality Act (MFR&MVR)
Temperature range	Room temperature—450℃
Temperature accuracy	±0.2℃
Temperature resolution	0.1℃
Timing range	1~9999s or 0.01-99.99s
Timing Accuracy	0.1 seconds
Material cutting method	Manual, By Time, Automatic Control
Display	LCD screen
Print	Equipped with a printer, can print test report
Squeeze out some material	
Discharge port diameter	Φ2.095±0.005mm
Discharge port length	8.000±0.025mm
Loaded barrel diameter	Φ9.550±0.025mm
Loaded barrel length	152±0.1mm

Piston head diameter	9.475±0.015mm
Piston head length	6.350±0.100mm
Standard test load (eight grades)	
1grade	0.325kg=(rod + weight + thermal units +1 No. tray body weight)
2grade	1.200 kg=(0.325+2 0.875 eight)
3grade	2.160 kg=(0.325+3 1.835 eight)
4grade	3.800 kg=(0.325+4 3.475 weight)
5grade	5.000 kg=(0.325+5 4.675 weight)
6grade	10.000kg=(0.325+5 4.675 weight+6 5.000 weight)
7grade	12.500kg=(0.325+5 4.675 weight+6 5.000+7 2.500 weight)
8grade	21.600 kg=(0.325+2 0.875+3 1.835+4 3.475+5 4.675+6 5.000+7 2.500+8 2.915 weight)
	Relative error of Load Test≤0.5%
Working conditions	Ambient temperature10℃—40℃; Relative humidity30%—80%
Power Supply	AC220V, 50Hz
Dimensions	250×350×510(L × W × H)
Weight	60KG



01

Various standard interfaces

Standard interface settings, safe use of electricity with confidence

02

Mini printer

With micro printer, print out test results





03

Automatic temperature control system

Double temperature control system,
temperature control is more precise,
heating efficiency is higher

Data Memory Function

The last test condition can be
displayed on the boot, no need
set again.



CERTIFICATE	CTC Certificate of Registration Certificate No.:446Q21010121403 Awarded to JINAN HENSGRAND INSTRUMENT CO., LTD. Organization Code No./Unified Social Code: 91370104684680659H Address: No. 4915, Jingshi West Road, Huaiyin District, Jinan City Qingdao CTC Inspection & Certification CO.,LTD.(CIC) certify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard: GB/T19001-2016/ISO9001:2015 SCOPE OF CERTIFICATION/REGISTRATION Production and sales of testing machines. (Qualifications-based operations requiring qualification permits) This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations.These requirements include,but are not limited to,administrative permits, scopes of qualifications,and CCC requirements. Subject to operation conditions in requirements conformity with Quality Management System, This Certificate is valid for a period of three years only. Date from: January.21th, 2021 To:January.20th, 2024 The effectiveness of this Certificate shall be Validated by periodic surveillance audit of CTC for maintenance. The time limit of the certificate is to January.11th,2022,please conducting the surveillance or re-certification assessment before January.11th,2022. If the assessment is overdue,the certificate is invalid. Signed for and on behalf of.    CNCA-R-2018-445  <tr><td> The certificate information is validity on: Our company Web:www.guoyangworld.com ; CNCA official web: cx.cnca.cn QINGDAO CTC INSPECTION & CERTIFICATION CO.,LTD. E-mail:GUOYANGROUP@163.COM </td></tr>	The certificate information is validity on: Our company Web:www.guoyangworld.com ; CNCA official web: cx.cnca.cn QINGDAO CTC INSPECTION & CERTIFICATION CO.,LTD. E-mail:GUOYANGROUP@163.COM
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MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**

Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA

Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**

Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**

Product Name : **TESTING MACHINE**

Report No and Date : TCF-JHIC230128-MD

Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

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