



Dongguan Hust Tony Instruments Co.,Ltd

东莞华科东尼仪器有限公司

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Fully Automatic Shrinkage Tester TF-089-Manufacturer-HUST TONY



Scope of Application

Fully Automatic Shrinkage Tester is used for testing the dimensional stability of fabrics, clothing and other textiles after washing.

【适用范围】

织物、服装或其它纺织品进行洗涤后的尺寸稳定性测试。

Technical Specifications

Model	TF-089	
Washing Model	front-loading, horizontal tumbling-box type	
Diameter of Tumbling-Box	520±1mm	
Depth of Tumbling-Box	315±1mm Net Volume:61L	
Number of Lifter	3 Pcs	
Height of Lifter	53±1mm Length: Extends to the bottom of the inner cylinder, 120° angle between the pieces	
Outer Cylinder Diameter	554±1mm	
Rotation Speed	Washing	52±1 rpm
	Dehydration	Low Spin (500±20)r/min High Spin (800±20)r/min Can also be customized
Control of water Level	The value ranges from 1 to 20cm	
Temperature Control	Room temperature ~ 99℃ digital setting ±1℃	
Heating Power	5.4KW	
Rotating method normal Model	Normal rotation time interval: (12±0.1) s Ease rotation time interval: (8±0.1) s Gentle rotation time intervals: (3±0.1) s Normal stop time interval: (3±0.1) s Ease stop time interval: (7±0.1) s Soft stop time interval: (12±0.1) s	
Water System	(1) Water supply flow: (20±2)L/min (the water supply pressure at the inlet should be higher than 150kPa) (2) Water level detection: 2 levels, 100mm and 130mm (tolerance ≤ 3mm) (3) Drainage rate: >30 L/min	
Washing Program	Built-in 13 sets of GB/T 8629 programs; 13 sets of ISO 6330 procedures; 3 sets of custom programs; 1 set of manual single programs.	
Door opening and closing	automatic switch	
Power Supply	Ac 380V 50Hz 6.5KW (Can Customizable AC220V 50Hz 6.5KW)	
Machine Dimension(L*W*H)	820mm×740mm×1340mm	
Net Weight	240kg	

【技术参数】

- 1、类型：前门加料；水平滚筒
- 2、内筒：直径：（520±1）mm；深度：（315±1）mm；净容积：61L
提升翼：数量3片；高度：（53±1）mm；长度：延伸到内筒底部；片与片之间角度120°
- 3、外筒：直径（554±1）mm
- 4、滚筒转速：

（1）洗涤：（52±1）rpm

（2）脱水：低速（500±20）rpm 高速（800±20）rpm，可定制1000 rpm
- 5、水位控制：1~20cm数字设定
- 6、温度控制：室温~99℃数字设定 ±1℃
- 7、加热功率：5.4KW
- 8、旋转动作：

正常转动时间间隔：（12±0.1）s
缓和转动时间间隔：（8±0.1）s
柔和转动时间间隔：（3±0.1）s

正常停止时间间隔：（3±0.1）s
缓和停止时间间隔：（7±0.1）s
柔和停止时间间隔：（12±0.1）s
- 9、供水系统：

（1）供水流量：（20±2）L/min(进口处的供水压力应高于150kPa条件)

（2）水位检测：2档，100mm和130mm（允差≤3mm）

(3) 排水速率: >30 L/min

10、洗涤程序: 内置13套GB/T 8629程序; 13套ISO 6330程序; 3套自定义程序; 1套手动单项程序

11、门 开 关: 自动开关

12、外形尺寸: 820×740×1340mm

13、重 量: 240kg

14、电 源: AC380V 50Hz 6.5KW (可定制AC220V 50Hz 6.5KW)

Instrument Characteristics

1.The technical indicators of the instrument fully meet the requirements of GB/T 8629-2017, ISO 6330-2012, FZT 70009-2021, IEC 60456:2010, BS 4923: 1991, and standards.

2.The inside and outside of the whole machine are made of high-quality stainless steel materials, industrial structure design, anti-corrosion, beautiful and exquisite, durable.

3.Color touch screen control, Chinese and English menus, man-machine dialogue mode, easy to operate.

4.With a high-performance continuously variable speed motor, the speed is set digitally.

5.It adopts fully independent suspension drum technology, high shockproof performance, ultra-quiet operation, and no need for foot fixation.

6.Using 32-bit Cortex-M3 microprocessor, the data processing speed is fast, the instrument is responsive, and the operation is stable and reliable

7.High-precision electronic pressure sensors are used to ensure that the water level is accurate and reliable.

8.The temperature control adopts the optimized PID algorithm, which has fast heating speed and small control fluctuation.

9.Built-in 13 sets of GB/T 8629 programs, 13 sets of ISO 6330 programs, 3 sets of custom programs, and 1 set of manual single programs.

10.The stainless steel metal handle and high-pressure glass window ensure that the door is more durable and durable.

11.The electric door switch has a self-locking function, and the door switch can automatically open and close the door according to the needs of the test process, so as to avoid the liquid overflow caused by human misoperation of the door during the test process.

12.The observation window test drainage filter is convenient for observation and timely cleaning, and it is convenient to clean up.

13Automatic multi-station detergent system to meet the requirements of multiple cycle tests. (optional)

1、仪器各项技术指标全面符合GB/T 8629-2017, ISO 6330-2012, FZT 70009-2021, IEC 60456:2010, BS 4923: 1991, 标准要求。

2、整机内外采用优质不锈钢材料制成, 工业化结构设计, 防腐, 美观精致, 经久耐用。

3、彩色触摸屏控制, 中英文菜单, 人机对话模式, 操作便捷。

4、采用高性能无级变速电机, 速度数字设定。

5、采用全独立悬浮式滚筒技术, 高防震性能, 超静音运转, 无须底脚固定。

6、采用32位cortex-m3微处理器, 数据处理速度快, 仪器反应灵敏, 运行稳定可靠

7、采用高精度电子压力传感器, 确保水位准确可靠。

8、温度控制采用优化PID算法, 加热速度快, 控制波动小。

9、内置13套GB/T 8629程序, 13套ISO 6330程序, 3套自定义程序, 1套手动单项程序。

- 10、采用不锈钢金属手柄及高压玻璃视窗，确保开启门更加坚固耐用。
- 11、电动门开关，带自锁功能，门开关可根据试验流程需要自动开关门，避免试验过程人为误操作开门导致液体溢出。
- 12、观察窗试排水过滤器方便观察及时清理，清理方便
- 13、自动多工位加洗衣粉系统，可以满足多次循环测试要求（选配）

Standard

GB/T 8629-2017
ISO 6330-2012
FZT 70009-2021
IEC 60456:2010
BS 4923: 1991