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Heat Seal Tester GBB-A1



Introduction

Heat sealing performance is the most important performance of plastic packaging films. GBB-A1 heat sealing instrument can accurately measure the suitable heat sealing temperature range, heat sealing speed, heat sealing pressure, etc. of plastic film substrates, flexible packaging composite films, coated paper, aluminum foil and other heat sealing composites. It is suitable for use in scientific research and teaching experiments of various plastic film, food, and pharmaceutical manufacturers for product quality control and testing institutions, and schools.

Standard

ASTM F 2029

Specification

Item	Technical parameters
Temperature range	Room temperature~250°C
Temperature precision	±0.1°C
Seal time range	0.1s~99h 59min 59.9s
Pressure range	0.1~0.8MPa
Heat seal area	Upper and lower bar: 300mm × 5.5mm, smooth surface; (lower bar has silicone pad as buffer)
Heat seal method	Two ways: automatic or manual, external air cylinder
Power supply	AC220V 50Hz
Instrument size	480(L)mm×330(B)mm×570(H)mm

Features

(1) Advanced configuration and technological advancement

Equipped with a high-precision temperature transmitter to accurately ensure temperature stability and accuracy of experimental data.

The core parts are imported components, which are more precise and durable.

The temperature control of the upper and lower sealing knives is independent and can be set separately. The heat sealing head adopts aluminum potting uniform temperature heating tube.

Anti-scald safety design can effectively ensure the safety of users.

Uses compressed air, pneumatic drive, and adopts a bottom-mounted dual-cylinder synchronous circuit design.

The equipment adopts digital P.I.D. temperature control to control the temperature more accurately; the temperature sensor is easy to calibrate.

Pressure detection, touch screen displays the current temperature of the upper and lower sealing knives, heat sealing temperature, heat sealing pressure, and heat sealing time, making it convenient for customers to set parameters according to the sample.

It has two working modes: automatic and manual, and can also be tested using foot pedal.

(2) Easy to operate

Professional software support, the software interface is simple and clear, easy to operate, and the test is convenient and fast. (optional)

Fully automatic operation, one-button automatic operation, continuous operation, reducing operating time and improving efficiency.

The host is equipped with a color touch screen, no external computer is needed, and you can freely test and conduct experiments.

(3) Permission management and data tracking (optional)

A user name and password are required to log in to the software to ensure the security and validity of the account and experimental data.

Users are divided into administrator, operator, observer and other levels, which can be set according to actual needs.

Administrators can adjust permissions at various levels; such as increasing and decreasing system control items at a certain level.

It has audit tracking function (system audit trail, project operation audit trail, method

audit trail), and every data change is recorded; ensuring the security and integrity of test data.

Equipped with advanced user management functions, you can manage multiple users, modify user names, passwords, permissions, etc. to meet more customer needs.

(4) Professionalism

The shape, size and smoothness of the sealing knife's heat seal can be customized.

The sealing knife can be upgraded with anti-sticking function.

Factory configuration

(1) Spare parts			
No.	Item	Remark	Qty
1	Instrument	GBB-A1	1 piece
2	Power line	3*0.75all bronze, 10A 1.8 mts	1 piece
3	PU tube	Φ8XΦ5blue US98A080050100MBU	5 mts
4	Reduced diameter straight connector gray	PG8-6	1 piece
5	Foot switch	TFS-1 10A	1 piece
6	Allen wrench	9-piece long ball head set	1 piece
7	Phillips screwdriver	6*150MM	1 piece
(2) Optional parts			
No.	Item	Remark	Qty
1	USB data cable	1 mts length	1 piece
2	U disk	32G	1 piece

4	Certificate of measurement		1 piece
5	Air compressor		1 piece
(三) Prepared by customer			
1	Power supply AC 220V 10A 3-hole socket ground wire		
2	Air source (such as air compressor) specifications: 2.5HP, 8KG pressure		
3	High pressure air pipe (Φ 8mm plastic pipe)		
4	Air filter (dust filter, oil filter, water filter)		

Note: GBPI has always been committed to the innovation and improvement of product performance and function. For this reason, product technical specifications and appearance will also be changed accordingly. The above situation will not be notified. GBPI reserves the right of modification and final interpretation.

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