

## HEISSIEGELGERÄT, SIEGELPRÜFGERÄT

Das GHS-03 Gradient Heat Seal Tester wurde speziell für die Bestimmung der Heißsiegelfähigkeit von Kunststofffolien, Verbundfolien, beschichtetem Papier und anderen Siegelmaterialien unter bestimmten Siegelgeschwindigkeiten, Druck und 5 verschiedenen Temperaturen entwickelt. Die Heißsiegelfähigkeit von Heißsiegelmaterialien wird stark von den Faktoren Schmelzpunkt, thermische Stabilität, Fließfähigkeit und Dicke beeinflusst. Die geeignetsten Heißsiegelparameter konnten mit diesem Gerät präzise und effizient mit 5 Messstellen und 6 Temperaturreglern ermittelt werden. So können Sie schnell die optimalen Prozessparameter für Ihre Beutelproduktion finden.



### EIGENSCHAFTEN

- 5 x Siegelfläche: 40 mm x 10 mm
- Siegelzeit: 0,1 - 999,9 s
- Siegeldruck: 0,05 - 0,7 MPa
- digitale PID-Temperaturregelungstechnik
- breiter Einstellbereich von Temperatur, Druck und Zeit
- Fußschalter und Handschalter sind verfügbar
- gesteuert durch Mikrocomputer mit LCD
- aktuelle Datenspeicherung, Datenausgabe und Dateneingabe in Software
- Datenausgabe durch RS 232 und an Mikrodrucker
- fünf obere Siegelbacken mit unabhängige eingestellte Temperaturen
- individuelle Anfertigung nach Wünschen ist möglich.

### TECHNISCHE DATEN

<b>Stromanschluss</b>	230 V / 50 Hz
<b>Druckluftanschluss</b>	ja
<b>PC-Anschluss</b>	RS-232
<b>Breite / Durchmesser</b>	0,58 m
<b>Tiefe</b>	0,43 m
<b>Höhe</b>	0,51 m
<b>Gewicht (netto)</b>	72 kg

### NORMEN

ASTM F2029

### rycobel group, Verkaufsbüro Deutschland



Tel.: +49 (0)9842 - 9 36 96 30 · Fax: +49 (0)9842 - 9 36 96 33 · [info@rycobel.de](mailto:info@rycobel.de)  
 ib-walther · Willy-Brand-Straße 4 · D-97215 Uffenheim · [www.rycobel.de](http://www.rycobel.de)

## GRADIENT HEAT SEAL TESTER



GHS-03 Gradient Heat Seal Tester is professionally designed for the determination of heatsealability of plastic films, composite films, coated paper, and other sealing films under certain sealing speed, pressure and 5 different temperatures. The heatsealability of heat sealing materials would be greatly affected by the factors of melting point, thermal stability, fluidity and thickness. The properest heatsealability parameters could be obtained accurately and efficiently through this instrument.

### Professional technology

- P.I.D. temperature control technology ensures preset temperature to be reached rapidly without any fluctuation.
- Wide range control of temperature, pressure and time could meet various test conditions.
- Manual or pedal switch control, as well as anti-scald design provides convenient and safe operating environment.
- The instrument is controlled by micro-computer with LCD, PVC operation panel, and menu-interface, which is convenient for customers.
- The instrument could test 5 groups of specimens at different temperatures simultaneously, and accurately and efficiently obtain heatsealability parameters of the tested specimens.
- 5 upper sealing jaws are individually controlled by 5 gas cylinders which ensure the stability of heat sealing process.
- The heating tube joints can be easily installed or removed for rapid replacement.
- Independent temperature control of upper and lower sealing jaws gives multiple combinations of test conditions.
- Equipped with micro-printer for convenient data saving, exporting and printing.

### TEST STANDARDS

This test instrument conforms to the following standards:  
ASTM F2029, QB/T 2358, YBB 00122003

# Applications

BASIC APPLICATIONS	
<b>Films with Smooth Surface</b>	Including plastic films, plastic composite films, paper-plastic composite films, coextruded films, aluminized films, aluminum foils, aluminum foil composite films, and many others. Heat sealing surface should be smooth and width can be designed based on user requirements. Instrument could simultaneously perform sealing operations at 5 different temperatures.
<b>Films with decorative pattern surface</b>	Including plastic films, plastic composite films, paper-plastic composite films, coextruded films, aluminized films, aluminum foils, aluminum foil composite films and many others. Heat sealing surface can be designed based on user requirements. Instrument could simultaneously perform sealing operations at 5 different temperatures.
EXTENDED APPLICATIONS	
<b>Covers of Jelly Cups</b>	The instrument is composed of the upper and lower jaws. The upper one is round-shape, while the lower one is designed as a specimen mold whose size exactly fits jelly cup. Put the jelly cup in the mold of lower jaw, and sealing operation can be finished by upper jaw pushing. (Customization required)
<b>Plastic Flexible Tubes</b>	The end of plastic flexible tubes is placed in between upper and lower jaws, and then sealed to form a package.

TECHNICAL SPECIFICATIONS	
<b>Sealing temperature</b>	Room temperature ~ 250°C
<b>Sealing Pressure</b>	0.1 MPa ~ 0.7MPa
<b>Dwell Time</b>	0.1 ~ 999.9 s
<b>Temperature Accuracy</b>	±0.2°C
<b>Temperature Gradient</b>	≤20°C
<b>Gas Supply Pressure</b>	0. 1 MPa ~ 0.7 MPa (outside of supply scope)
<b>Port Size</b>	8 mm PU Tubing
<b>Sealing Area</b>	40 mm x 10 mm x5
<b>Instrument Dimension</b>	576 mm (L) x 430 mm (W) x 510 mm (H)
<b>Power Supply</b>	AC 220V 50Hz
<b>Net Weight</b>	72 kg

CONFIGURATIONS	
<b>Standard configurations</b>	Mainframe, Pedal Switch, and Micro-printer
<b>Optional parts</b>	Communication Cable
<b>Note</b>	1. The gas supply port of the instrument is 8 mm PU tubing; 2. Customers will need to prepare for gas supply.