

H5K5.HB

Bottle Analyzer Bulge & Collapse



DISPLAY



APPLICATIONS

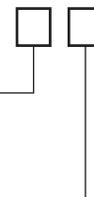
- Development and design of plastic bottles.
- Altitude test in bottles.
- Reduction in volume of raw material for plastic containers.

VERSIONS

H5K5.HB

- A: Compressed air.
- V: Built-in pump.

- Holder
- 1: None.
- 5: Bottle holder



The H5K5.HB is an instrument designed to test the deformation of plastic bottles (Bulge test / Collapse test) by pressure difference in a easier, faster, efficient and standardized way.

It is an autonomous, versatile, and compact with configurable parametres from a touch screen.

The H5K5.HB has up to 6 stages of vacuum/pressure and 18 configuration memories.

FEATURES

- Automatic bulge test.
- Automatic tilt test.
- Automatic collapse test.
- Easy to use touch screen.
- Graphics and values in real time.
- Low consumption.
- Reduced in size and weight.
- Built-in pump.
- 6 configurable stages of vacuum/pressure.
- 18 configuration memories.
- Quick start and stop button.
- Printer output.

ACCESORIES:



Bottle holder



Printer



Start and stop push button



H5K5
LEAK DETECTION

Bottle Analyzer Bulge & Collapse

How to use

Bulge test: Fill the bottle up to the filling level, insert the cap, place the bottle in the holder and adjust the height of the ring so that the cap is at the same height as the ring. Connect the hose to the plug. Push the start button, the bottle will start to swell in stages until the equipment detects it's deformation, either by tilt or by rise. The analyzer automatically detects when it fail (Tilt or Rise) and finalize the test making a report.

Collapse test: Fill the bottle up to the filling level, insert the cap, place the bottle in the holder and adjust the height of the ring so that the cap is at the same height as the ring. Connect the hose to the plug. Push the start button, the equipment will apply vacuum inside the bottle in stages until it collapses. The analyzer automatically detects when the bottle collapse and finalize the test making a report with the pressure at which it failed.

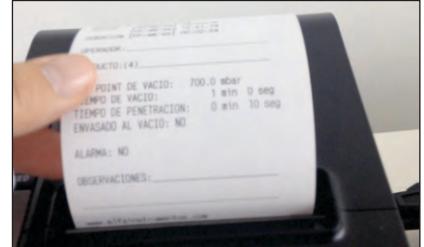
Altitude simulation: Fill the bottle up to the filling level, insert the cap, place the bottle in the holder and adjust the height of the ring so that the cap is at the same height as the ring. Connect the hose to the plug. Push the start button, the equipment will apply vacuum or pressure in stages, depending on the differences in altitudes at which the package will be tested. The operator may watch the bottle during the test in order to visualize it's behaviour at different heights. The equipment will conclude the test at the end of the 6 stages or if it detects a deformation in the container either by bulge or by collapse.



Place the bottle



Push the quick start button



Automatic report printing

Specifications

Maximum vacuum:	700mbar
Maximum pressure:	900mbar
Ventilation:	Forced
Resolution:	1mbar
Precision:	1%FS
Display:	Touch graphics 4,3" TFT lcd (65536 colours)
Temperature:	0-40 C° (32 - 104 F°)
Humidity:	20% a 80%
Keyboard:	Touch screen
Alarm:	Stop by operator or process error
Connectors:	Aluminium
Buttons:	Start and Stop.
Security filter:	Internal and external hydrophobic
Power supply:	100-240vac, 50/60hz with fuse.
Size:	391 x 231 x 122

NOTE:

Pressure stages and time must be preconfigured by a supervisor and saved in one of the 18 memories, this configurations will be password protected and the operator should only select the type of test from the 18 available.

