



TME Pressure Bubble Tester™

Compliant with ASTM F2096 Pouch Testing

The TME Pressure Bubble Tester provides low pressure and controlled flow to apply to a pouch to meet the requirements of ASTM International F2096 test method "Standard Test Method for Detecting Gross Leaks in Packaging by Internal Pressurization (Bubble Test).

A low-pressure control range of 0 to 2 psig, with high flow capacity for porous material packages as well as non-porous pouches.

A simple system of loading pouches, lowering and holding the pouch one (1") inch (2.54 cm) under water to observe bubbles from a 250-micron hole as required by the ASTM test method is provided. Stable pressures with high

flow capacity is designed to be delivered from a precision pressure regulator.

www.tmelectronics.com



Protecting
Product Integrity

Designed to meet:

ASTM F2096 Method



Simple to set up



Highly visible from all sides



Digital pressure readings



Low pressure control 2" H₂O



NIST Traceable Gauge Calibration



Probe and Package Port system

When a pouch is placed under water in the chamber, a pressure is applied through the unique TME Probe and Package Port system. The pressure is applied to the porous barrier of the sealed package. Pressure and flow are adjusted with the controls to minimize random bubbles from the porous barrier.

The ASTM F-2096 requirement to detect 250-micron holes or less can be detected visually.

Open screen retainer is locked in position with toggle handles to retain the pouch under water.

The open screen retainer permits high visibility for detection of surface bubbles arising from package surface defects.

Accessories included:

- PA-20 Package Port & PA-03 Package Port Adhesive
- F110-035 TME Twist



Technical Details

Maximum Package Dimensions:

12"W x 16"Lg x 4"D
30.48 x 40.64 x
10.16 cm

Storage and/or Operating Environment

5 - 30°C

Test Mode:

Pressure 0 - 2 psig

Controls:

Pressure 0 -2 psig
Flow control On/
Off switch

Chamber size:

16"W x 20"Lg x
6.5 D
50.64 c 50.80 x
16.51 cm

Table size:

36" x 19" x 25" Hi
91.44 x 48.26 x
63.50 cm

Units of measure:

psig, bar, MPa

Accessories Included:

PA-02 Adhesive
PA-03 Package
Ports F110-035
TME Twist
(Hole maker)

TM Electronics' Technical Specialists

TM Electronics' Technical Specialists are highly experienced and ready to assist you in determining and solving your leak, flow and package testing needs and in getting the most out of your test system.

In addition to our wide range of package testing accessories, our Design Engineering team can provide

you with help in addressing unique package testing situations and requirements.

Visit us on the web at www.tmelectronics.com for more information on the technology of leak, flow and package testing and how we can best help you.

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