

Pinhole Tester (Light Box / Light Table)

EXR Series

Suitable to detect (visually) pin hole defects in Aluminum Foils used in Food and Pharmaceutical packaging. (Can be used for Opaque Materials only).

Technical Specifications :

- Table Top, Compact Model.
- High Intensity, Diffused Light Source.
- Tempered Glass on top of light source.
- Blackout Hood to prevent room ambient light from falling on the Foil Surface. So you can test even with the room lights ON.
- Inspection Area : 10 x 10 inches (± 0.5 inch)
- Integrated, Digital Event Counter (pinhole counter)
 - LCD Display
 - Inbuilt lithium battery, having an expected life span of over 5 years.
- Manual Count switch to keep track of pinhole count.
- ON/OFF switch for light source.



Typical Pinhole count found in Aluminum Foils :

Foil Thickness (μm)	Typical Pinhole / Sq Mtr.
11	60
14	40
18	30
20	20
> 25	0

Source : Indian Standards :15392-2003

DQ/IQ/OQ Documentation are supplied with models specific for Pharmaceutical Companies.

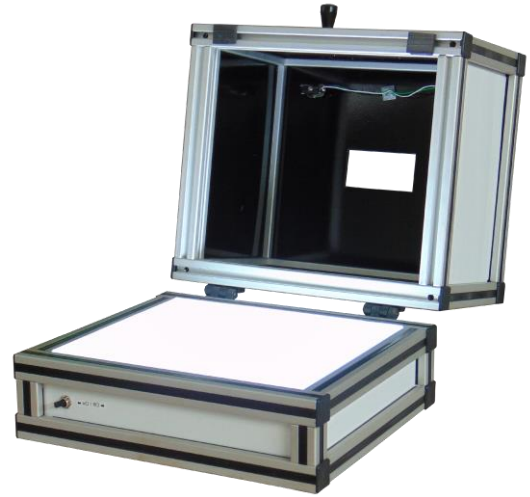
Warranty : 12 Months (Ex-Factory)

Utilities Required :

1. Power Supply (Current : Max 5 Amps) :
 1. For India (Domestic Model) : 230 Volts A.C., 50 Hz. Clean power.
 2. For Outside India (Export Model) : As per your country's power rating.

Operating Procedure :

- Flip up (open) the blackout hood.
- Place the film / foil on the glass top.
- Flip down (close) the blackout hood.
- Press the RESET switch for the Digital Event Counter.
- Switch on the Power button.
- The Hi-Intensity lamps inside the chamber will glow.
- View the foil surface from Peep Hole / Viewing Window on top of the blackout hood.
- Count the number of visible pinholes (You will see light coming out of the pinholes).
- For every pinhole, press the COUNT button once.
- This will increase the counts on the Digital Counter.
- Open hood to circle the pinholes, if further analysis is required.
- Slide the film again and repeat the pinhole counting for length equivalent to 1 square meter or 1550 square inch. E.g. if the foil width is 6 inches, the length of testing should be 258.34 inches. If the foil width is 8 inches, the length should be 193.75.
- You can also test up to your own desired length / area format.
- Report as No. of Pin Holes per Square Meter area. Some people also report the Pin Holes as Numbers per Meter of running length.



How to Order?

Select Part Number / Equipment SKU

Region	Industry	-	Equipment	-	Series
D	N		PHT		EXR
E	P				

	Options	Description
Type	D	Domestic Model. For Sale in India only. Warranty / Support valid only in India
	E	Export Model. for Sale outside India only. Comes with a set of emergency spares. International Quality / Warranty / Support.

Industry	N	For Food / Beverage / FMCG Industry. Non-Pharma use only.
	P	For use in the Pharmaceutical Industry. DQ/IQ/OQ documents are provided with machine.

Equipment - Series	PHT-EXR	Pinhole Tester – EXR Series
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india

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