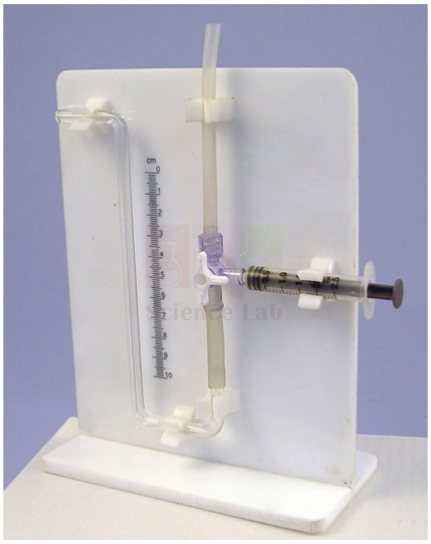
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Product Name :

Potometer Apparatus

Product Code :

SLE/EBT/21



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Description :

Potometer Apparatus (Product Code: SLE/EBT/21) is a low-breakage student potometer usedto measure transpiration in small plant shoots during school and college biology practicals. Itsonly glass component is the capillary tube, mounted on a strong backing plate, and a syringezeros the scale between readings. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as a transpirationexperiment kit that groups can use with minimal risk of breakage.

Specifications

Parameter	Detail
Type	Potometer for measuring transpiration
Demonstrates	Transpiration occurring in small plant shoots
Glass components	One only – the capillary tube
Mounting	Strong backing plate
Reading method	Movement of the bubble within the capillary as transpiration occurs
Set-up	Apparatus is submerged and the specimen placed in the tube
Zeroing	Scale is zeroed using a syringe
Additional use	Can measure humidity when a porous pot is connected
Design focus	Minimal risk of breakage during student use
Product code	SLE/EBT/21
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Potometer Used For?

Teachers use this potometer to show that leaves lose water continuously and that the rate changes with the surroundings. A typical practical compares how far the bubble travels in a fixed time with the shoot in still air, beside a fan, in bright light and in shade, so students can link wind, light and humidity to the rate of water loss. Because the apparatus is assembled under water, air is kept out of the system, and the syringe brings the bubble back to zero between runs without dismantling anything.

For reliable results, cut the shoot under water so that air does not enter the stem, fit it firmly before lifting the apparatus out, and blot the leaves dry before taking readings. Strictly, a potometer measures the water taken up by the shoot; this closely follows transpiration because most absorbed water leaves through the leaves — a useful discussion point for older students. With a porous pot connected in place of the shoot, the same unit can be used to compare humidity.

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