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Product Name :

Auto Karl Fischer Titrimeter

Product Code :

SLE/LI/06



Science Lab
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Description :

Auto Karl Fischer Titrimeter (Product Code: SLE/LI/06) is an automatic titration instrument used to determine the water content of liquids and solids by Karl Fischer titration in pharmaceutical, chemical, food and teaching laboratories. It handles samples containing 1 to 50 mg of water, with 0.05 ml KF reagent dispensing from an auto-zero burette and a dual platinum electrode to sense the end point. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Sample size	1–50 mg of water
KF dispensing	0.05 ml
Burette	Auto zero burette
Electrode	Dual platinum electrode
Stirring	Inbuilt stirrer
Timer	Adjustable
Status indication	RUN, ADD and END shown in auto mode
Display	Array of 10 LEDs in line
Power	230 V AC ± 10%, 50 Hz
Size	435 x 305 x 150 mm
Weight	5 kg (approx.)
Accessories	Supplied with other accessories (confirm the list with your quotation)
Product code	SLE/LI/06
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Karl Fischer Titrimeter Used For?

Karl Fischer titration measures water specifically: iodine in the KF reagent reacts with water in the sample, and once all the water is used up, excess iodine changes the signal at the dual platinum electrode to mark the end point. Pharmaceutical QC teams use it for moisture in drugs and excipients, chemical plants for solvents and raw materials, and food and oil laboratories for product quality; it is also a standard Karl Fischer titrator for teaching labs in India.

Keep the titration vessel closed so room humidity does not enter, and standardise the reagent before a series of samples. Choose a sample weight that brings the expected water content into the 1 to 50 mg range. Follow the RUN, ADD and END lights in auto mode, and use the adjustable timer

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