Email : sales@scilabexport.com
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Product Name :

Separating & Throttling Calorimeter with mini boiler Test Bench

Product Code :

SLE/MCE/59



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Description :

Separating & Throttling Calorimeter with mini boiler Test Bench (Product Code: SLE/MCE/59) is a steam-quality test bench, part of ScienceLab's engineering lab equipment range, used to determine the vapour content (dryness fraction) of wet steam in thermodynamics laboratories. Students use it to find how much liquid a steam sample carries, with a downstream throttling calorimeter covering vapour contents from x = 0.95 to x = 1. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Measuring principle	Separating calorimeter and downstream throttling calorimeter, used together to determine vapour content
Throttling calorimeter range	Vapour content x = 0.95 to 1
Condensate collection	Water-cooled condenser; liquefied vapour collected in a measuring cup
Sensors	Pressure and temperature measured before and after depressurisation
Temperature	240 °C
Pressure	10 bar
Safety valve	10 bar
Measuring range – temperature	0–400 °C
Measuring range – inlet pressure	0–16 bar
Measuring range – outlet pressure	?150 to 100 mbar
Dimensions	800 × 800 × 1700 mm
Weight	110 kg (approx.)
Power supply options	230 V, 50 Hz, 1 phase; 230 V, 60 Hz, 1 phase; or 120 V, 60 Hz, 1 phase
Product code	SLE/MCE/59
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Throttling Calorimeter Test Bench Used For?

Vapo etely
liquid n a
varial er
remo

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