

## PACKING CHARACTERISTICS COLUMN H893E



**Year 1  
study**

### Description

This Column is available for those who wish to investigate the way in which the air and water properties change as they pass in opposite directions through the column. From this information, enthalpy driving force diagrams may be constructed and the packing characteristics equation determined. Column E is similar to Column C (18 Plates), but is approximately 300mm higher. The packing is arranged in four blocks with intermediate spaces in which the water and air wet and dry bulb temperatures are measured by thermocouple sensors. These temperatures can be displayed by the digital indicator mounted on the H893 Cooling Tower (Sold separately).

### Learning capabilities

- Investigation of effect of the packing surface area/volume on a) cooled water temperature approach to wet bulb temperature on the inlet column and b) pressure drop across the packing

### Technical Specification

- Fitted with thermocouples, sensors.
- Number of Decks: 8
- Number of Plates per deck: 18
- Surface area of packing: 2.16m<sup>2</sup>

### Essential Ancillaries

- H893 - Data Logged Base Unit (either 230v or 115v)

### What's in the Box?

- 1 x H893E
- Packing List
- Test sheet

### Weights & Dimensions

- Length - 150mm
- Width - 250mm
- Height - 900mm

### Essential Services

- Water: Demineralised, or distilled, up to 2 litres per hour

### Ordering information

To order this product, please call PA Hilton quoting the following codes:  
H893E/230/HC - Packing Characteristics Column Computer Linked  
Requires H893/230/HC Base Unit for operation.  
H893E/115/HC - Packing Characteristics Column Computer Linked  
Requires H893/115/HC Base Unit for operation.