



# PRESSURE ENTHALPY (PH) SOFTWARE UPGRADE R100



Year 1  
study

## Features

- Construction of Real Time Refrigeration Cycle Diagram on a Refrigerant Pressure Enthalpy Diagram
- Live P-H display of the system.
- Easily recognise effects of changes on the system.
- Additional module to the standard computer linked A660.
- Process calculations represented live on screen.

## Description

The R100 Pressure-Enthalpy Software upgrade is universal for all Hilton refrigeration, heat pump and air conditioning applications on units fitted with the optional Hilton Data Logger including: A660 Air Conditioning Laboratory Unit R515 Mechanical Heat Pump R560 Water Water Heat Pump R715 Refrigeration Laboratory Unit R833 Air and Water Heat Pump The software gives an animated (real-time) pressure-enthalpy cycle diagram as well as component energy balances where appropriate. It is also backwards compatible with the earlier 43 channel Hilton data logger and Windows software as well as the current 21 channel data logger.

## Related Laws/Applications

- Pressure
- Enthalpy
- Cycle Diagrams
- Energy Balance

## Learning capabilities

- Pressure / Enthalpy Cycle Diagrams
- Component Energy Balance
- Refrigerant Side Enthalpy changes
- Refrigerant Flow rate
- Refrigerant Side Heat Transfers
- System Side Heat Transfers or Energy input/output

**Technical Specification**

- IBM PC or compatible
- Pentium processor or higher
- 1GB RAM
- Windows XP or later
- VGA monitor resolution at least 1600x 1200 pixels
- USB port
- CD drive

**Essential Ancillaries**

- A660/415/AC
- A660/220/AC
- A660/415/C/AC
- A660/220/C/AC
- R515/230/RC
- R515/115/RC
- R560/230/RC
- R560/115/RC
- R715/230/RC
- R715/115/RC
- R833/230/RC
- R833/115/RC

**What's in the Box?**

- 1 x Software Media
- 1 x Copyright notice

**You might also like**

- HSTS
- HPM15

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**Essential Services**

- A660/415/AC
- A660/220/AC
- A660/415/C/AC
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- R515/230/RC
- R515/115/RC
- R560/230/RC
- R560/115/RC
- R715/230/RC
- R715/115/RC
- R833/230/RC
- R833/115/RC

**Ordering information**

To order this product, please call PA Hilton quoting the following code:  
R100

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS