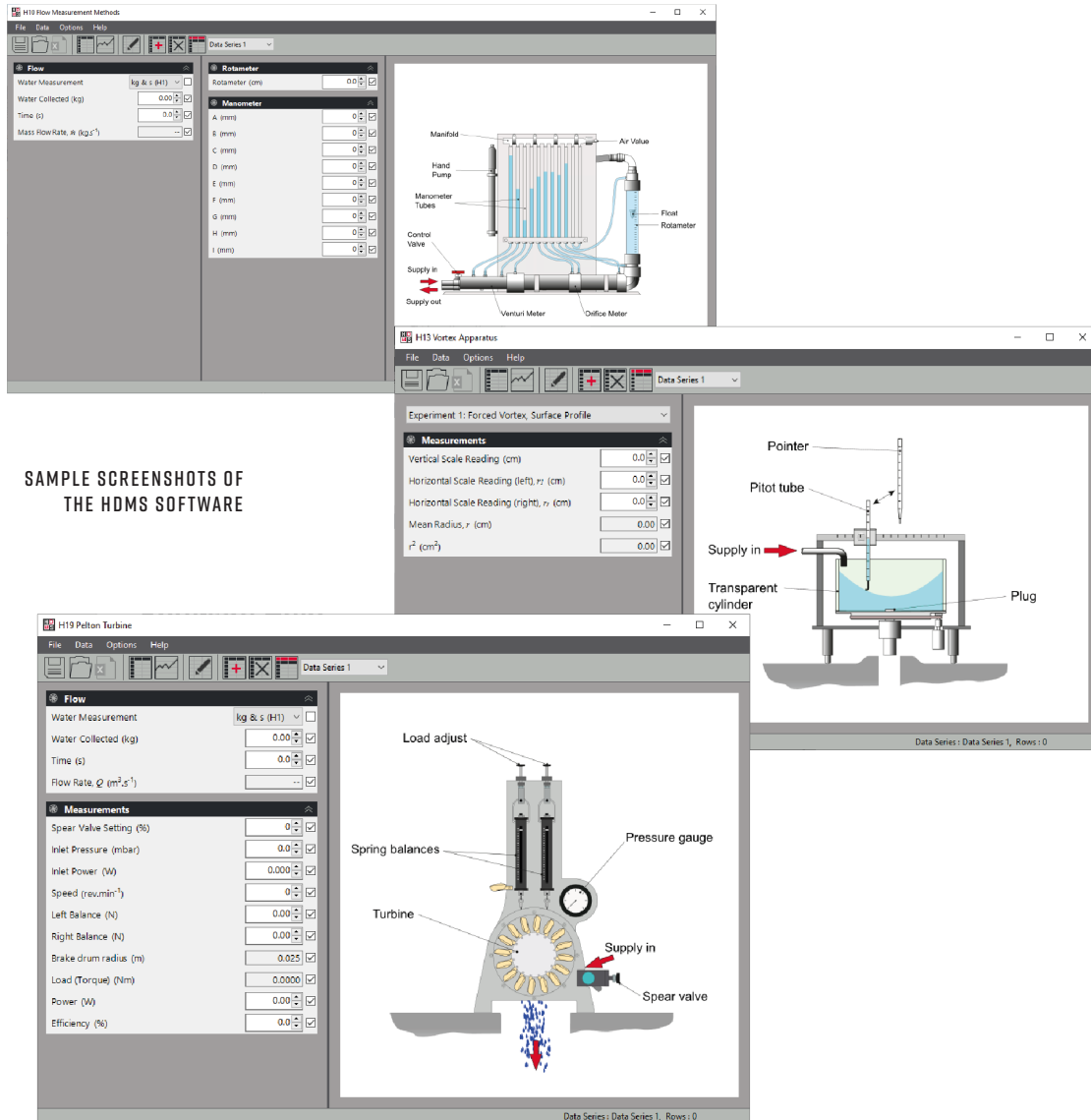# HYDRAULICS DATA MANAGEMENT SYSTEM

HDMS **HDMS**

A user–friendly, simple software tool for manual data entry and recording of data for many of TecQuipment's hydraulics experiments.

SAMPLE SCREENSHOTS OF THE HDMS SOFTWARE

KEY FEATURES

- Modern, free software to enhance laboratory sessions

- Intuitive and easy-to-use, with clear, customisable display and layout options

- Automatic calculation, charting and data export for efficient use of students' and lecturers' time

- Similar interface for all HDMS compatible products – no need to learn new software when changing experiments

KEY SPECIFICATIONS

- Data export:
  - XLSX file (default)
  - HTML file (optional)

TECQUIPMENT

☰ HYDRAULICS DATA MANAGEMENT SYSTEM

HDMS HDMS

DESCRIPTION

TecQuipment's HDMS provides simple manual data entry and recording of experimental data. It works with a growing list of many of TecQuipment's hydraulics experiments.

Each application has a custom layout to match the experiment, providing the student with a template for the correct data recording. The electronic recording of data eliminates manual writing errors that can cause errors in recorded data.

The software is intuitive and easy to use, with clear and convenient data display options. The software looks similar and works in a similar way for each HDMS application. The software behaves, looks and feels like and has many of the same features as TecQuipment's popular VDAS® software.

HDMS SOFTWARE FEATURES INCLUDE:

- Works with existing HDMS compatible products
- Recording data manually
- Display of data in digital form or as an analogue meter
- Logging of data for printing and later analysis
- Export of data to Excel
- Perform calculations of recorded data.
- Create charts with live updates as data is entered
- Customisable layouts

STANDARD FEATURES

- Supplied with comprehensive help files
- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer

COMPLEMENTARY SOFTWARE FOR

- 2.5 Metre Flume (FC50-2.5)
- Flow Through an Orifice (H4)
- Bernoulli's Theorum (H5)
- Discharge over a Notch (H6)
- Friction Loss in a Pipe (H7)
- Impact of a Jet (H8)
- Flow Measurement Methods (H10)
- Vortex Apparatus (H13)
- Francis Turbine (H18)
- Pelton Turbine (H19)
- Jet Trajectory and Orifice Flow (H33)
- Pipework Energy Losses (H34)
- Flow Meter Calibration (H40)
- Fluid Friction Apparatus (H408)

ESSENTIAL SERVICES

MINIMUM COMPUTER HARDWARE:

- Intel® i5 or equivalent processor. Multi-core processors give better performance.
- 1280 x 768 screen resolution
- 500 MB of hard disc space
- Standard two-button mouse (three-button mouse with scroll wheel is better)

PC OPERATING SYSTEM:

- PC (not supplied), please see VDAS® datasheet for specification