



## ASTR2000 Automatic Data Acquisition Unit

### 自動數據採集系統



#### Features:

- ASTR2000 Connects any of the Structures range experiments to a computer – includes All's Structures Software for automatic data acquisition and virtual experiments
- Computer interface and All's Structures Software (ASTRS) to display and collect data from any of the experiment modules in All's Structures range (ASTR2 to ASTR20)
- Includes All's powerful Structures Software to do two things: display and collect data, and allow 'virtual' simulated experiments
- Interface unit links to load cells and other instruments in the Structures range to send data to a suitable computer
- Allows students to compare results from actual experiments with results from simulation software
- Simple connection to most modern computers – no need to add any extra circuit boards
- Fully automatic – needs no adjustments or complicated set-up procedures on your computer

#### Description:

The Automatic Data Acquisition Unit is an interface with software that connects experiments from the All Structures range to a suitable computer (computer not included). It allows data logging, analysis and extra 'virtual' simulated experiments. It accepts inputs from a digital force display, a digital strain display, an angular sensor and digital deflection indicators. It converts these inputs into the correct data signals for the computer. The software can then analyse the data and create tables and charts. The software can also simulate experiments which students can perform using the hardware, so they can compare simulated and real results.



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#### Specification:

- Standard Features
  - Supplied with user guides
- Essential Ancillaries
  - Multi Structures Test Frame (ASTR1)
  - One or more experiment modules from the Structures Range (ASTR2–STR20)
  - Suitable Computer
- Specifications
  - 1x Automatic Data Acquisition Unit
  - CD-ROM
- Minimum computer specifications needed:
  - OS: Microsoft® Windows® 2000, XP, Vista or Windows® 7 ; Monitor: at least 16-bit 800 X 600 ;
  - HDD: 40 MB ; USB port ; CD-ROM drive

