

ADInstruments in Education

- ADInstruments provides complete data acquisition and analysis solutions for higher education institutions. Since 1988, proactive product development and customer focus have made the company a market leader.
- ADInstruments' core product is the Powerlab® data acquisition unit used with LabChart®, Scope™ and LabTutor® software. Powerlab systems offer the most versatile and comprehensive data recording, display and analysis features available for life science education.
- Key PowerLab education applications include human and animal physiology, neurobiology, pharmacology, biochemistry, sports science and psychophysiology.
- PowerLab systems are used in thousands of educational institutions around the world, including Oxford University (UK), Stanford University (US), Tokyo University (Japan) and Heidelberg University (Germany).
- LabChart software offers the most sophisticated data acquisition and analysis features available to life science education. Students and educators can record and analyze physiological signals from humans, animals and isolated tissue, and use LabChart's research-grade analysis capabilities to quickly derive data relevant to life science's most advanced and specific curriculums, as well as individual research projects.
- LabTutor software was released in 2004, and is used exclusively in education. This software embeds popular teaching experiments within the Internet Explorer web browser, and guides students through set up, data acquisition, analysis and submitting reports to instructors. As such, students can complete experiments from their first laboratory lessons with minimal data acquisition experience and supervision. LabTutor experiments are available in several different languages.
- LabAuthor™ software was released in 2008. It is a editing tool that enables educators to customize and create LabTutor experiments to suit their curriculums and students.
- ADInstruments provides comprehensive, free-of-charge support to educators through teaching resources available on the Education section of their website. Users can download software updates and new LabTutor experiment releases. Additionally, the site offers LabChart Experiment Files, consisting of software setting files, student protocols and instructor guides for popular human, animal and biochemistry/biology applications.
- ADInstruments biopotential signal conditioners for human use are approved to the IEC 60601-1 standard. All ADInstruments data acquisition systems and preamplifiers meet the European EMC directive and carry the CE mark.
- Worldwide, ADInstruments consistently supports life science education, working with societies and institutions such as Faculty for Undergraduate Neuroscience, IUPS, HAPS and FAOPS to provide sponsorship and donation initiatives, including:

- Academic prizes
- Student travel scholarships
- Meeting, conference and workshop sponsorship
- Refurbished PowerLab system donations to developing regions in Central Asia and Africa

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