/PROCESS MONITORING

Bioreactor control

Biodacs software, from Applikon Dependable Instruments (Schiedam, the Netherlands), offers data acquisition and supervisory control for up to eight bioreactor systems. The PC-based DOS software provides for programming of control systems, data storage, alarm handling, operator notebook, report facilities, and data export.
Write in 971 on Reader Service Card.

Instrument drivers

National Instruments (Austin, TX) introduces LabVIEW and LabWindows/CVI instrument drivers for the 6B series digitizing and signal conditioning I/O modules. Process control engineers can use these drivers in remote or distributed process monitoring and control (PM&C) applications. This is efficient when the I/O points are scattered throughout a building or factory site.
*Write in 975 on Reader Service Card.*

Documentation system

The FOTO/Analyst Visionary benchtop digital documentation system from Fotodyne (Hartland, WI) is a multicomponent system designed to document electrophoresis gels. Thermal prints can be produced rapidly. As little as 0.5 ng of ethidium bromide-stained DNA can be detected.
Write in 974 on Reader Service Card.
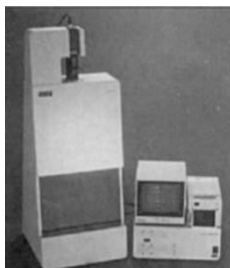
Fermentor controller

From Real Time Engineering (Rushcutters Bay, Australia), the model FC4 controls up to 16 fermentation parameters, which may be spread over different vessels. Probes and sensors connect directly to the isolated inputs, ensuring accurate measurement of parameters like pH and temperature. Once set up, the FC4 can operate without the host computer.
Write in 972 on Reader Service Card.

Control panel

A Master Control panel from Infors (Bottmingen, Switzerland) can control up to 6 Labfors fermentors. Operating as a direct digital control system, the panel sits above the first fermentor base unit. An LCD screen displays parameters such as stirrer speed. The Labfors array can communicate with either a printer or a computer using a built-in serial interface.
*Write in 973 on Reader Service Card.*

Bioprocess control

AFS BioCommand software from New Brunswick Scientific (Edison, NJ) enables users to manage up to eight fermentors or bioreactors. It automates data logging, computing real and derived process values, and altering setpoints in response to metabolic changes in culture. Information display includes graphs, charts, and gauges for side-by-side comparisons.
*Write in 977 on Reader Service Card.*
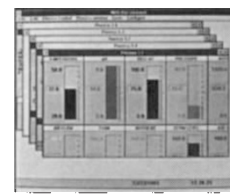
Monitoring cell culture

Designed to control and monitor fermentation and cell culture processes, MRU microprocessor-based controllers from Inceltech (Toulouse, France) will maintain units from laboratory to industrial level. User-friendly calibration sequences, password security, one analogic input, two analogic outputs, and four digital outputs are available on each controller.
Write in 970 on Reader Service Card.
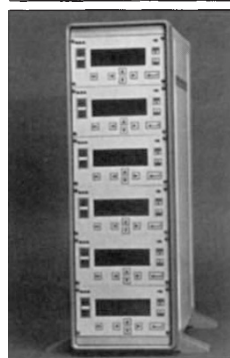
Data collection

Wingather software from Brookfield Engineering Labs (Stoughton, MA) enables rheologists to automate data collection in viscometry applications, generate flow curves, and permanently record test results on Windows-based computers. It allows users to collect data in background while analyzing or printing previously recorded data.
Write in 976 on Reader Service Card.