

# CellProbe Bioprocess Raman Analyzer

Realtime Multiple Parameters Monitoring Solution for Cell Culture in Bioreactors

The **CellProbe** Bioprocess Raman analyzer provide real time multi-parameters monitoring solutions for cell culture and fermentation in bioreactors.



The **CellProbe** analyzers help integrate the monitoring and control into bioprocess seamlessly at the production floor as well as in process development laboratories.

The **CellProbe** bioprocess analyzer each features a high-performance Raman spectrometer with suitable sampling probe for various bioreactors and the **Cellmetrics** software featuring **CellQuant** chemometrics and OPC tools to support real time process control.

## Features and Benefits

- Affordable ownership and reduced operating costs
- Improve bioprocess understanding and performance by real-time, continuous measurements and critical quality attribute reports
- Integrated easy to use chemometrics tool for simplified expert level chemometrics developments to ensure robust CQA reports and precision process control
- 21 CFR part 11 and GMP compliancy supports

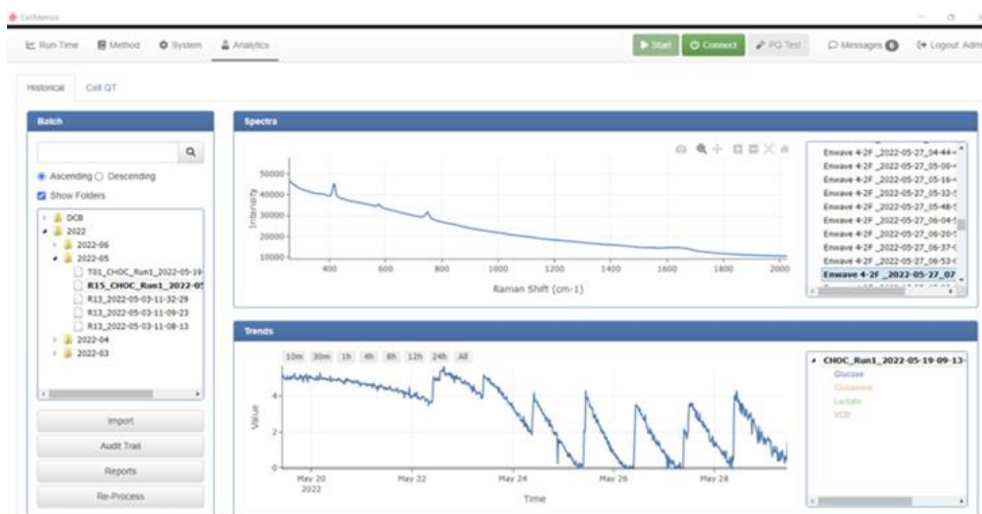
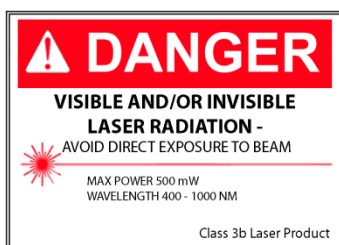
## SPECIFICATIONS

### CellProbe Bioprocess Raman Analyzer

CellProbe	
Raman Spectrometer	<ul style="list-style-type: none"> <li>• 785 nm frequency stabilized diode laser with ~500 mW output Power</li> <li>• High Sensitivity CCD Spectrograph, Spectral Coverage: ~ 100-3,300 cm<sup>-1</sup></li> </ul>
Fiber-Optic Probe	Choose from options 1 or 2: <ol style="list-style-type: none"> <li>1. BRP-785 high throughput immersion reaction fiber optics probe; with 5-meter-long fiber cable</li> <li>2. HRP-785 flow through bioreactor probe; with 5-meter-long fiber cable</li> </ol>
Software	<b>CellMetrics</b> software bioprocess monitoring software for real time analysis of multi-components in cell culture bioreactors, including <ul style="list-style-type: none"> <li>• method development functions</li> <li>• run-time window, and historical data functions</li> <li>• CellQuant model builder and predictor</li> <li>• OPC communication for bioreactor connectivity</li> </ul>
Operating Environment	10°C - 40°C, with Thermal Shutdown Protection
Power Requirements	DC power supply (work both for 110/220V)
Physical	
Dimensions (L x W x H)	12.75" x 15.5" x 7"
Weight	30 LBS
Warranty	
Warranty	One Year for Parts and Labor

Specifications are subject to change without notice.

Appropriate safety guidelines should be followed when operating this instrument. Complies with 21 CFR 1040.10 and 1040.11



本 社：〒134-0088 東京都江戸川区西葛西 6-18-14 T. I. ビル

TEL：03-3686-4711 FAX：03-3686-0831

大阪営業所：〒532-0003 大阪市淀川区宮原 4-1-46 新大阪北ビル

TEL：06-6393-7411 FAX：06-6393-7055