

# COMPACT LAB YEAST ANALYSER



FROM  
**ABER**  
TRUSTED TECHNOLOGY

Reproducible LIVE yeast cell concentration without slides and cassettes.  
Ideal for breweries and bioethanol plants.

# RECOGNISABLE...

The Aber Yeast Monitors are recognized today as the most accurate and reliable instruments for measuring the LIVE cell concentration on-line and this technology enables brewing groups such as AB InBev, SAB Miller, Heineken, Diageo and many of the larger micro-breweries to have more consistent fermentation processes. The COMPACT LAB YEAST ANALYSER (CLYA) uses the same radio-frequency impedance technology for samples offline.

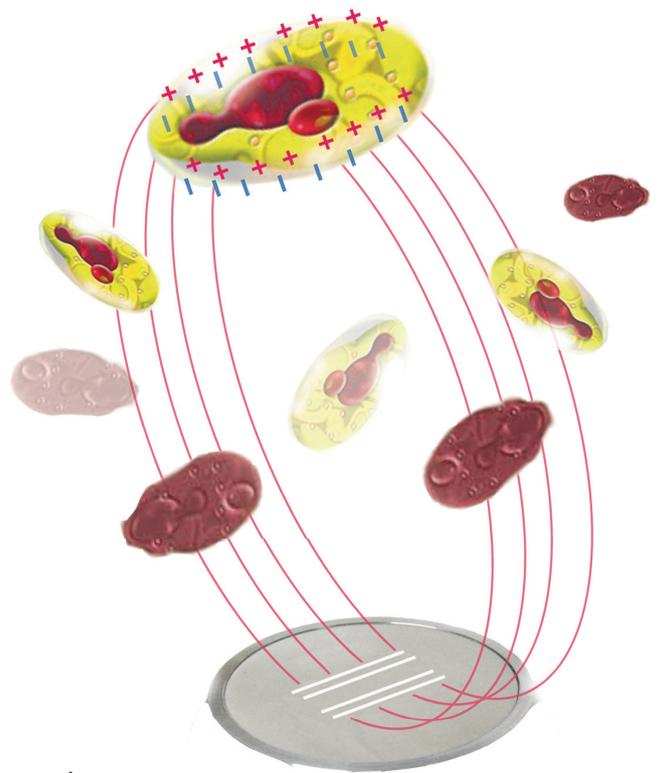
## HOW THE CLYA WORKS

Live yeast cells will have intact plasma membranes and these act as tiny capacitors under the influence of an electric field. The non-conducting nature of the plasma membrane allows a build up of charge.

The resulting capacitance can be measured; it is dependent upon the cell type and is proportional to the concentration of these **Viable** cells.

The four “flush” electrodes in the stirred sample chamber of the CLYA apply a radio frequency field to the yeast. Electronic processing of the resulting signal produces an output which is a highly accurate measurement of the concentration of viable cells.

The system is insensitive to non-viable cells and the wort trub.



## SIMPLE TO USE

The COMPACT LAB YEAST ANALYSER is very easy to use.

Just pour a sample of yeast (approx. 45ml) into the housing, press MEASURE and an accurate viable cell concentration is given in just 20 seconds.

It eliminates time consuming counting under the microscope and important decisions on yeast pitching rates can be made by process operators.

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## SAFE AND LOW COST TO OPERATE

The CLYA does not need the addition of any potentially carcinogenic dyes, there are no ongoing costs of cassettes/slides and the instrument requires virtually zero maintenance.

The CLYA can therefore save time and money in the brewery.



## PROVIDES ACCURATE VIABLE CELL CONCENTRATION

The CLYA is accurate over a wide range of cell concentrations and is not influenced by varying levels of trub. Traditional cell counting methods using methylene blue stains are inaccurate when the viable cell concentration falls below 90% and the method is prone to errors due to human subjectivity.

# COMPARABLE...

## INSTRUMENT DIRECTLY COMPARABLE WITH ONLINE YEAST MONITOR

The new CLYA uses the same type of electrodes and V350 Transmitter used for online applications. The readings on the lab instrument should therefore duplicate the online measurements.



## FLEXIBLE FOR DEALING WITH DIFFERENT YEASTS

The CLYA can now handle up to 20 different yeast strains.

It will measure concentrations up to 70% viable spun solids often without dilution and measurement units can be switched between "viable cells/ml" and "% viable spun solids".

*Aber brewery products are distributed world-wide and details of your local supplier are provided at [www.aberinstrument.com](http://www.aberinstrument.com)*



*For more information please call now on +44 (0) 1970 636300 / [sales@aberinstruments.com](mailto:sales@aberinstruments.com) or call your local Aber Instruments Distributor.*