

COMPACT PERFECTPITCH



FROM **ABER**
TRUSTED TECHNOLOGY

The ABER Yeast Monitors are recognized today as the most accurate and reliable Instruments for measuring the LIVE cell concentration on-line
The COMPACT PERFECT PITCH system is ideal for Craft breweries .



CAPABLE...

PERFECTPITCH for craft breweries.

ABER technology is installed in all major brewery groups worldwide, and improves pitching, by factoring in the on-line live yeast cell count. Underpitching makes for slow, troubled fermentation. Overpitching can lead to off-flavours and haze.

For improved productivity and quality control, gain precise control of your pitching with an Aber PerfectPitch. The skid combines a flow meter, Aber Compact Adapt, Yeast Monitor pipework and mini-PLC to give perfect automatic pitching at an affordable price.

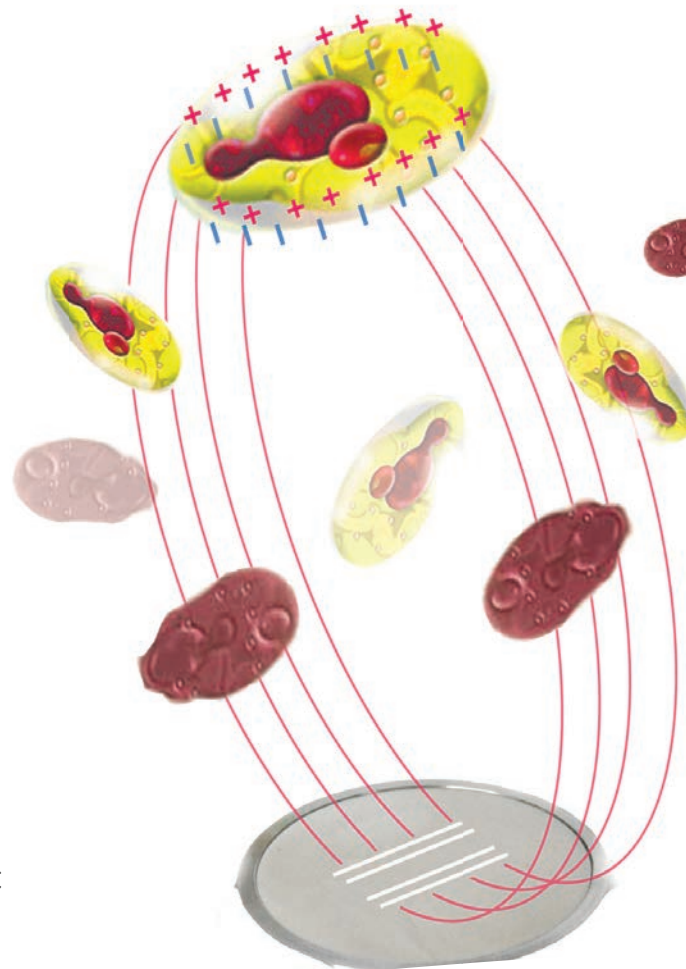
HOW THE COMPACT ADAPT YEAST MONITOR WORKS...

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 Compact Adapt probe 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.



COMPACT PERFECTPITCH

SELF CONTAINED

The “Perfect Pitch” is a self contained module allowing the accurate and reproducible transfer of yeast from the storage vessel to the fermenter. Accurate yeast dosing will allow the brewer to achieve more consistent and possibly shorter fermentation times.

INCORPORATES THE ACCLAIMED COMPACT YEAST MONITOR

The “Perfect Pitch” is custom developed for 1” to 3” (25mm to 75mm) pipes with application-specific instrumentation and controls for yeast pitching, dosing, cropping, cone to cone transfer and other yeast blending operations. The skid incorporates the acclaimed Aber Compact Yeast Monitor, stainless steel process piping, a fully welded stand-alone frame, flow meter and electronics. Typically, the units are self-contained and ready for production-floor placement in both pilot and operating plant environments.

IDEAL FOR EXPANDING MICRO BREWERIES

The “Perfect Pitch” is ideal for expanding micro-breweries where there is requirement to connect a variety of yeast storage vessels to various fermenters located within the brewery.

The skid is easily moved around the brewery so that only one accurate yeast measurement instrument is needed. The Compact Yeast Monitor PLC has been modified so that the complete yeast pitching operation can be done from the one screen.



CONTRLABLE...

IMPROVED PRODUCTIVITY AND QUALITY CONTROL

Gain precise control of your pitching with an Aber PerfectPitch. Using the Yeast Monitor allows breweries to have more consistent fermentations and improved quality control.

FLEXIBLE FOR DEALING WITH DIFFERENT YEASTS

The COMPACT PerfectPitch system can handle up to 20 different yeast strains.

It will measure concentrations up to 70% viable spun solids and measurement units can be switched between “viable cells/ml” and “% viable spun solids”.

Compact ‘PerfectPitch’ Technical Specifications

Product Name	Compact Perfect Pitch System
Equipment	Flush Probe, PerfectPitch Compact Adapt, connecting cable, V350 Display Transmitter in IP65 enclosure, flow metre, pipework and trolley
Measuring Range limits	0 to 100 % Viable Spun Solids 0 to 6×10^9 cells/ml Note: These limits will not be reached in normal operation.
Working Range:	0.5 – 70% Viable Spun Solids Depends on cell sizes but typically: Yeast (6µm): 1×10^7 to 5×10^9 cells/ml
Power Supply:	+24V DC, 15W max

Aber brewery products are distributed world-wide and details of your local supplier are provided at www.aberinstrument.com
For more information please call now on +44 (0) 1970 636300 / sales@aberinstrument.com or call your local Aber Instruments Distributor.



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