

COMPACT ADAPT YEAST MONITOR

YEAST MONITOR RANGE



The Compact Adapt Yeast Monitor is ideal for measurements of the on-line live cell concentration in fermenters and propagators. It can also be used in-line on the pipework.

It has a Lightweight housing suitable for most fermenters and is ideal for 25mm diameter side mounted Ingold ports.

Description	Part Number
COMPACT Adapt Yeast Monitor	3330-00

Technical Specifications

Measuring Frequency:	312KHz
Measuring Ranges:	0 to 400 pF/cm 0 to 100% Viable Yeast Spun Solids 0 to 5×10^9 Cells/ml Conductivity range of 0.75 to 10 mS/cm
Cell Concentration Range:	Depends on cell sizes but typically: Yeast (6 μ m): 10^6 cells/ml to 10^{10} Cells/ml
Resolution:	Resolution: 0.1 pF/cm. Approx: Yeast or Animal Cells 0.05g/L or 1×10^5 Cells/ml The relationship of these capacitance values to biomass levels depends upon the cell type and line.
Accuracy:	Typically better than $\pm 3\%$ or $\pm 2\%$ of the reading
Stability:	Better than ± 0.2 pF/cm at constant temperature with standard conductivity solution of ~ 1.4 mS/cm
Linearity:	Better than $\pm 1\%$ over 100 pF/cm
Precision:	Typically $< \pm 0.5$ pF/cm, no filter active.
Power Supply:	Natively 24V DC. This is supplied by the YM V350
Environmental:	IP65 rated; Recommended ambient operating temperature range: 5°C to 40°C

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Dimensional Measurements

