

NATIONAL MFG. CO.

Lincoln, Nebr.

Risograph

Since its introduction in 1987, the Risograph has become an industry standard instrument for the measurement of yeast activity and gassing power. The 12 channel computerized system is simple to use, compact, and efficient. For both R&D and QA use, the Risograph provides a truly quantitative and reproducible method for evaluating a product's gas producing capabilities.



- Measures from 1 to 12 chambers simultaneously.
- Used in the studies to develop AACC method 89-01 for yeast activity and gas production.
- Suggested sample size is 50 grams, but samples from 10 to 300 grams can be used.
- All hardware is contained inside the chassis.
- The Risograph's onboard microprocessor has a precision sampling clock and output buffer for increased reliability and precision.
- Uses include quality assurance of ingredients, development of new recipes, effects of cold or frozen storage on leavening, and selection and development of new methods and standards.
- Redesigned in 2005, National Manufacturing also offers retrofits for existing computerized systems.
- New and expanded data analytical capabilities can be saved with each sample set.

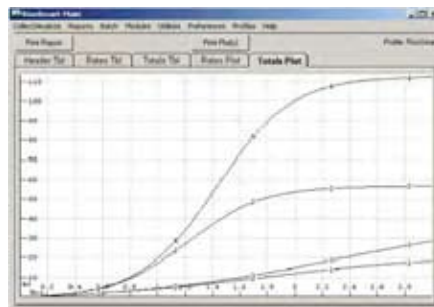
RisoSmart

RisoSmart allows the capture, analysis and display of gassing data utilizing a windows based system that offers a variety of choices for data and curve presentations. The analytical system has been vastly expanded to include extensive spreadsheet and graphics. RisoSmart allows printing to Windows-based printers. User defined add-on modules makes Risograph curve scoring easier and reports can be customized.

Recommended Minimum PC: Pentium III 500mhz SVGA Display (800 x 600) 256 MB Ram Hard Drive Windows 2000 or XP Standard serial communications port

THESE SCREEN CAPTURES SHOW EXAMPLES OF THE RISOSMART PROGRAM IN ACTION

Run	Time	Raw Data	Various Values
1	0-0:00:00	0.04	0.04 0.04 0.04
2	0-0:00:00	0.04	0.04 0.04 0.04
3	0-0:00:00	0.04	0.04 0.04 0.04
4	0-0:00:00	0.04	0.04 0.04 0.04
5	0-0:00:00	0.04	0.04 0.04 0.04
6	0-0:00:00	0.04	0.04 0.04 0.04
7	0-0:00:00	0.04	0.04 0.04 0.04
8	0-0:00:00	0.04	0.04 0.04 0.04
9	0-0:00:00	0.04	0.04 0.04 0.04
10	0-0:00:00	0.04	0.04 0.04 0.04
11	0-0:00:00	0.04	0.04 0.04 0.04
12	0-0:00:00	0.04	0.04 0.04 0.04
13	0-0:00:00	0.04	0.04 0.04 0.04
14	0-0:00:00	0.04	0.04 0.04 0.04
15	0-0:00:00	0.04	0.04 0.04 0.04
16	0-0:00:00	0.04	0.04 0.04 0.04



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1	0-0:00:00	0.04	0.04 0.04 0.04
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4	0-0:00:00	0.04	0.04 0.04 0.04
5	0-0:00:00	0.04	0.04 0.04 0.04
6	0-0:00:00	0.04	0.04 0.04 0.04
7	0-0:00:00	0.04	0.04 0.04 0.04
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15	0-0:00:00	0.04	0.04 0.04 0.04
16	0-0:00:00	0.04	0.04 0.04 0.04