



3401 Virginia Road  
Cleveland, Ohio 44122 (USA)  
Phone 216-831-1000 \* Fax 216-831-1195  
Internet: www.misco.com



**FOR IMMEDIATE RELEASE**

## **New Digital Wine Refractometer Breaks Price/Precision Barrier**

### MISCO Puts Laboratory Bench-Top Precision in the Palm of Your Hand

(CLEVELAND, OH -- March 29, 2006) MISCO introduces the new Palm Abbe line of handheld digital refractometers engineered specifically for the international wine industry. The Palm Abbes provide an instant digital “field” determination of grape ripeness, grape-must concentration, grape-must density, and sugar content, as well as the potential and actual alcohol content of the finished wine. Measurements are made with a precision comparable to mid-range bench-top refractometers costing thousands of dollars more.

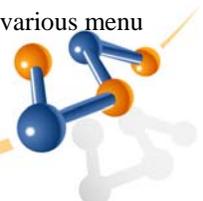
“With the Palm Abbe, we are able to break price and performance barriers previously unattainable by handheld digital refractometers,” says Michael Caminer, MISCO Director of Marketing. “These wine refractometers represent the most complete line of dedicated wine testing instruments ever assembled.” Priced between \$325 and \$525 (US), the Palm Abbe digital refractometer breaks the price barrier that previously divided digital refractometers from traditional analog handheld refractometers, while also breaking the performance barrier separating digital handheld instruments and expensive bench-top laboratory refractometers.

Certain models display prompts and measurements in English, Spanish, French, German, or Russian. Other models are available with scales for various international units of measure including Baume, Brix, Oechsle, KMV, Babo, specific gravity, alcoholic strength, etc. Users have the flexibility to mix and match up to five different scales on some Palm Abbe models, giving them the ability to create truly custom wine testing instruments.

Protection against inaccurate readings due to temperature differences, a major concern in refractive index measurement, is assured with nonlinear temperature compensation specific to grape juices. Temperature compensation is automatic for fluids read between 0 and 50 °C (+32 to 122 °F).

The stainless-steel sample well requires only a couple of drops of fluid to take measurements. A simple, user-friendly interface consists of two buttons: one to take readings and the other to step through various menu options. A large, dual-line, multilingual LCD display is easily read, even in dim light.

-- more --



*Quality You Can Measure* • • • • •

The digital refractometer removes the subjectivity associated with analog refractometers that require users to interpret where a boundary line crosses tiny scale divisions. Calibration of the Palm Abbe is automatic and does not require special calibration solutions or tools; they automatically calibrate themselves to water.

**The following standard instruments and scales are available:**

- VINO1 - Brix, Baume, Oechsle, KMV, and Sugar Content (g/L)  
- <http://www.misco.com/products/PA203X-003-124-125-126-129.html>
- VINO2 - Brix and Sugar Content (g/L)  
- <http://www.misco.com/products/PA202X-003-129.html>
- VINO3 - Baume and Sugar Content (g/L)  
- <http://www.misco.com/products/PA202X-124-129.html>
- VINO4 - Oechsle and Sugar Content (g/L)  
- <http://www.misco.com/products/PA202X-125-129.html>
- VINO5 – Mass Fraction, Sugar Content (g/L), Estimated Alcohol, Actual Alcohol, Specific Gravity  
- <http://www.misco.com/products/PA202-128-129-194-195-196.html>
- VINO6 – Brix, Sugar Content (g/L), Estimated Alcohol, Actual Alcohol, Specific Gravity  
- <http://www.misco.com/products/PA203-003-129-194-195-196.html>
- PA201 – Brix Only  
- <http://www.misco.com/products/PA201.html>

###

A world leader in the refractometer field, MISCO is headquartered in Cleveland, OH, home to the company for more than 55 years. MISCO designs, manufactures and sells a variety of refractometers, including: digital bench-top laboratory refractometers, inline process control refractometers, digital handheld refractometers, and traditional handheld instruments. For more information, please call (216) 831-1000, or access MISCO's web site at [www.misco.com](http://www.misco.com).

*For more information, please contact:*

**Kathy Widing**  
MISCO Refractometer, 3401 Virginia Road, Cleveland, Ohio 44122 (USA)  
Email: [kwiding@misco.com](mailto:kwiding@misco.com) · Internet: [www.misco.com](http://www.misco.com)

216-831-1000 ext. 210 Tel.  
800-358-1100 ext. 210 Toll Free  
440-477-0765 Cell Phone  
216-831-1195 Fax

**DIGITAL PRESS RESOURCES:**

[MISCO Refractometer Online Press Room](#)

[Digital Wine Refractometer Photographs – All Resolutions](#) (\*.zip)