

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Brabender MVAG/VE Micro Visco-Amylo-Graph* at our website: *Click HERE*

Brabender® CWB



Micro Visco-Amylo-Graph®

The "small" Viscograph for measuring the gelatinization properties of starch and flour



… where quality is measured.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

For measuring the gelatinization properties of starches and flours

Micro Visco-Amylo-Graph®



The **Micro Visco-Amylo-Graph®** is used in particular for measuring the gelatinization properties of starch and starch containing products, but also for testing the viscosity of liquids, suspensions, and pasty products and, with flours, for determining the enzyme activity (α-amylase).

Consequently, the application fields of this new instrument range from the food industry over paper and textile industries up to the chemical industry.

Special Software

- **Data correlation program:** Up to 15 curves can be shown and evaluated simultaneously within one chart
- **Universal evaluation profiles:** Beside the standard evaluation with peak viscosity, own evaluation profiles can easily be programmed and used. These profiles can include for example areas, peaks, fixed points, drops, etc.

The evaluation is done in BU, mPar, cP or cmg.

As compared to the **Viscograph**, the **Micro Visco-Amylo-Graph®** stands out for reduced sample weights and increased heating/cooling rates. Although test times are considerably shortened, results are comparable to those of the **Viscograph**.

The instrument is equipped with an integrated, self-optimizing temperature control unit which, together with the comfortable software, permits easy programming and running of any temperature profile. Heating/cooling rates from 1.5°C/min up to 10°C/min are possible.

Just like the **Viscograph**, the **Micro Visco-Amylo-Graph®** has a rotating bowl. The stirrer, which completely immerges into the sample, is connected to a high-resolution torque sensor for precise viscosity determination. The special geometry of the stirrer ensures good mixing of the sample – there is no sedimentation of starch particles.

Temperature measurement is done directly in the sample. This makes it easy to always precisely assign the temperature to the current viscosity.

Specification

- Measuring system with rotating bowl
- Measurement with torque sensor
- Temperature control through RTD within the sample
- Electric resistance radiant heating system
- Immersion-type heat exchanger for cooling the sample with tap water, triggered by solenoid valve
- Electronic temperature program controller

Applications

Profit from the versatility and reliability of the **Micro Visco-Amylo-Graph®** – in the food industry, in the paper and textile industries, or in the chemical industry:

- Measure the gelatinization properties of flour, and native or modified starch
- Measure the enzyme activity in flour (e. g. sprout)
- Adjust the diastatic activity by adding enzymes (e. g. malt flour)
- Measure the influence of extrusion conditions onto the extruded product

Advantages

- Heating/cooling rates up to 10°C/min (optimized for 7.5°C)
- Quick measurement
- Small sample weights
- Integrated, self-optimizing temperature control unit
- Temperature measurement inside the sample
- Speed profiles programmable
- Reference curves can be stored
- Easy handling and cleaning
- Results comparable to those of the standard Viscograph
- Stainless steel bowls and paddel; therefore no follow-up costs

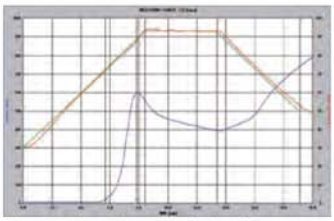


Diagram Micro Visco-Amylo-Graph®

The small sample bowl allows you to reduce your sample weights to as little as 2 to 15 g for 100 - 110 ml of water, depending on your material. An integrated automatic return-type steam trap prevents loss of vaporized water.

The extensive software running under Windows allows programming of test cycles for manifold samples and applications.

Test conditions and temperature profiles can be stored and recalled at any time for a new test.

Micro Visco-Amylo-Graph®	
Sample volume	110 ml
Speed	0 - 300 min^{-1}
PC port	USB
Mains connection	1x 230 V; 50/60 Hz + N + PE; 2.8 A 115 V; 50/60 Hz + PE; 5.6 A
Dimensions (W x H x D)	450 x 750 x 380 mm
Weight	approx. 30 kg net

Made in Germany

C.W. Brabender® Instruments, Inc.
50 E Wesley St., South Hackensack, NJ 07606
Phone: 201.343.8425 • Fax: 201.343.0608
foodsales@cwbrabender.com • www.cwbrabender.com

GLC CERTIFIED ISO 9001

Brabender® agencies all over the world.
© 2011 Brabender® GmbH & Co. KG

All trademarks are registered.
Subject to change of design and technical modification without notice.

15033-e / Brabender NT / MVAG / 02 / 2011

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP