



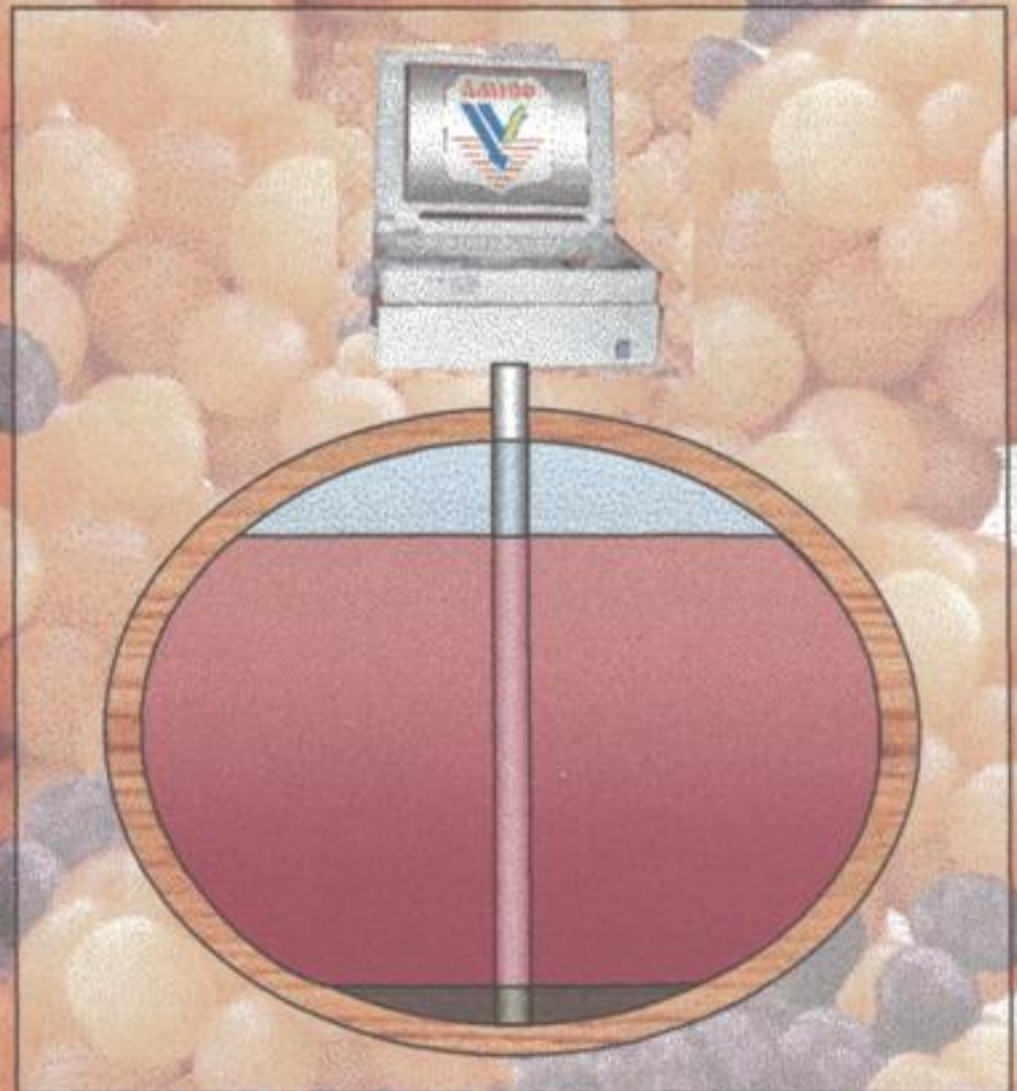
*Novelties of computer  
Engineering  
from  
Advanced Measuring  
Instruments Company  
**AMIGO** Ltd*

**WINE-ARC System**

*Winery Automated  
Remote Control System*

**"Good wine comes from  
precisely controlled  
technology"**

Encyclopædia

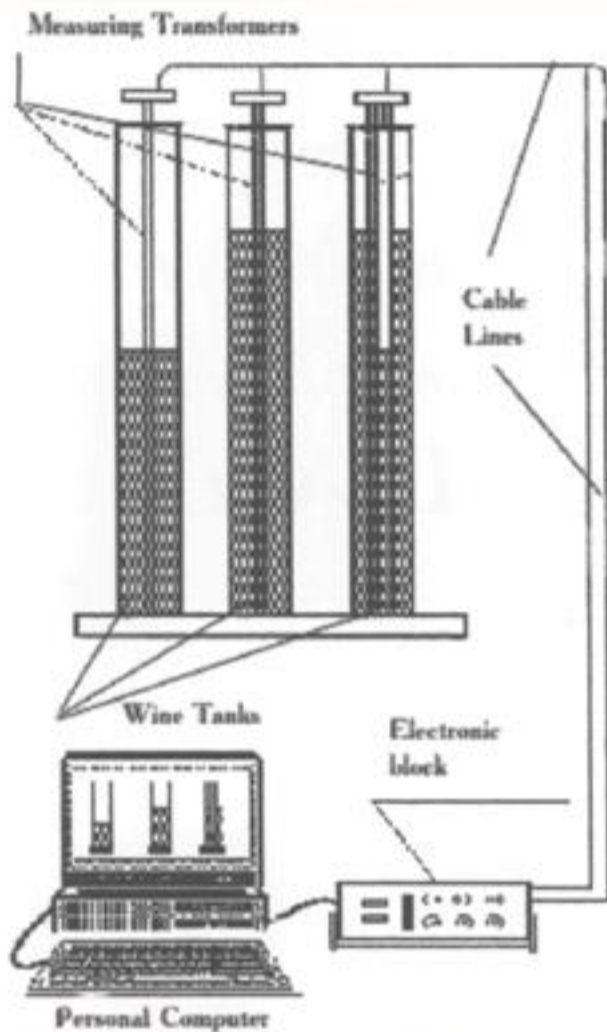


Wine-ARC System is designated to control technological process of wine production. It provides real-time on-line control of the main parameters such as:

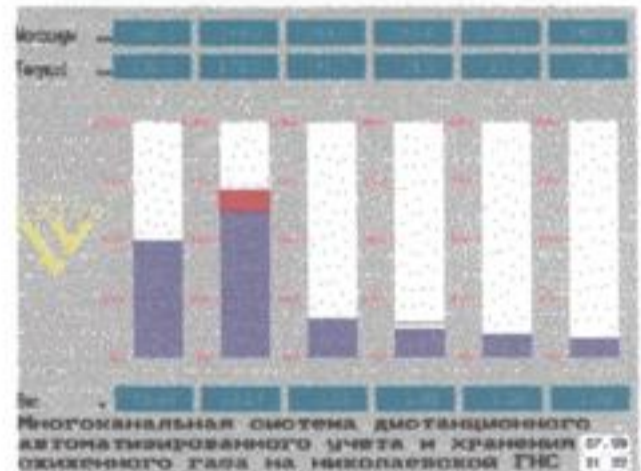
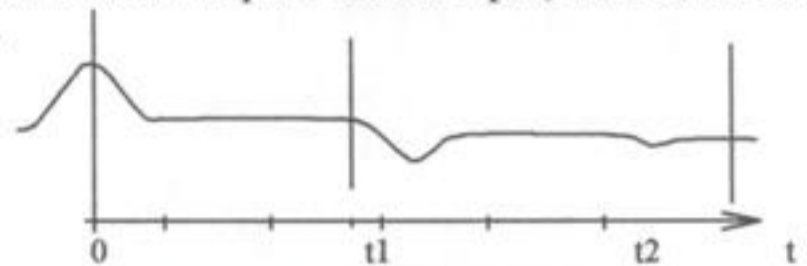
- level of initial juice, solution or ready-made wine;
- temperature of initial juice, solution or ready-made wine;
- separation level of fractions;
- appearance and percentage of alcohol in solution (wine);
- quantity calculations and data base control.

# Automated Remote Control (ARC) Systems

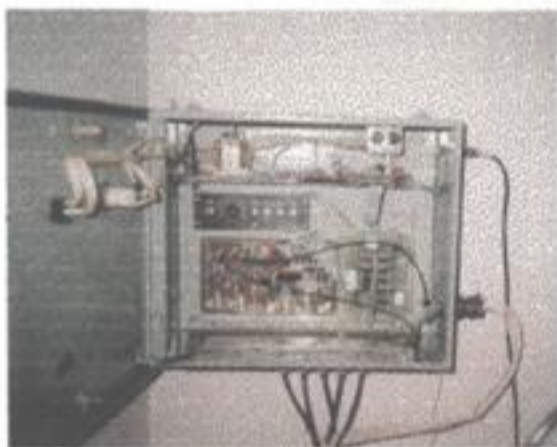
(General Structure, Main components, Technical Features)



The ARC system is based on impulse polymetrics method. The short voltage impulse is sent into the measuring transformer and reflected signal is processed with the help of computer software to determine parameters of liquid, solutions or loose media.



The WINE-ARC system consists of personal computer, basic electronic block, measuring transformers (sensors, probes, draft-meters etc.), connecting cables and interfaces.



Basic electronic blocks are of standard and industrial modeling.

The WINE-ARC system is designated for operation in automatic or man-machine modes (one operator in control room).



Measuring transformer for WINE-ARC System.

ARC Systems are patented and certified.

## Technical features:

- ⇒ Absolute instrumental error of level and separation level measuring – 1 mm.
- ⇒ Absolute instrumental error of temperature measuring – 1° C.
- ⇒ Absolute instrumental error of alcohol percentage – 1 %.
- ⇒ Distance from computer to measuring transformers – up to 500 m.
- ⇒ Number of measuring channels within one system: 3-300.
- ⇒ Operation temperature: -20 +40° C.
- ⇒ Consuming power – 250 Wt.



Advanced Measuring Instruments Company  
"AMICO" Ltd.

No. 1, Spaska St., Mikolaiv  
327030 Ukraine  
Tel./Fax: +38 (0512) 359754,  
Tel.: +38 (0512) 354308  
E-mail: [ami@co.mk.ua](mailto:ami@co.mk.ua)  
[root@amico.nikolaev.ua](mailto:root@amico.nikolaev.ua)