

DIASTOGRAPH - Y37



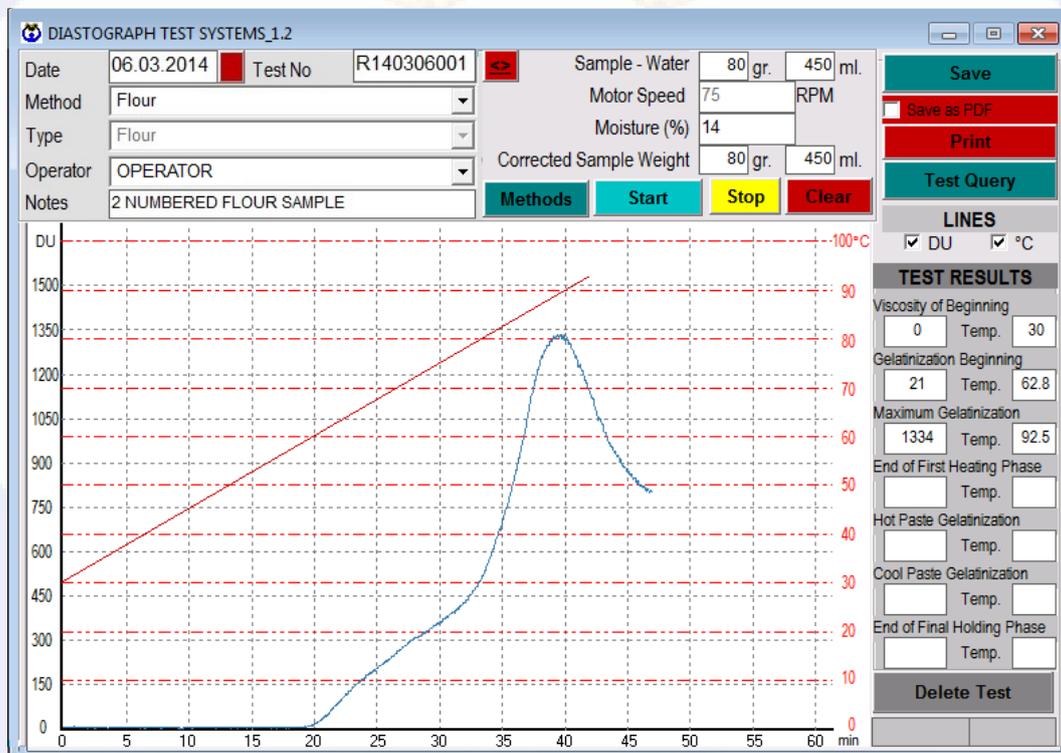
Advantages:

- Easy to operate & robust design
- Determination of gelatinization properties of flour and starch varieties
- Two device in single body for flour and starch analysis
- Controlled directly from computer
- Easy to update of software with remote access control
- Data and results can be stored on computer
- Integrated computer on the device, which makes possible to put on intranet
- Multilanguage & user friendly software
- To create special test profiles for different applications
- Measuring alpha amylase activity in flour

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Yucebas Machinery Diastograph determines the gelatinization properties and enzyme activity of flour, whole flour meal, rice flour, maize, rye and barley etc. The working principle of the instrument is that a suspension of flour and distilled water is heated with a constant rate 1.5 °C/min with the rotating bowl where the strength against the mixing is measured considering the viscous characteristics of the sample.

The Diastograph can control directly from its embedded touchscreen industrial panel PC. The device equipped with two step motors to control the mixing bowl and mixing head. The temperature control of the device can adjust and follow from its software.



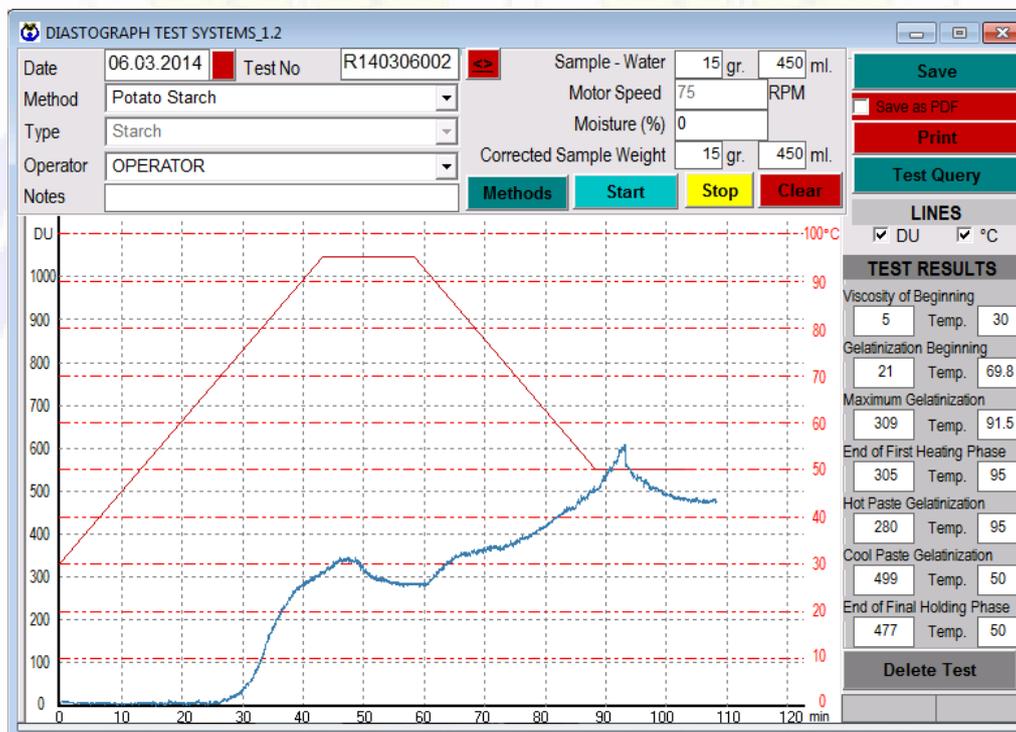
The Diastograph can be determine following parameters:

- Viscosity at the beginning
- Gelatinization beginning / temperature
- Max. Gelatinization
- Gelatinization temperature
- Hot/cold phase viscosity / temperature
- Viscosity during holding



YUCEBAS MACHINE ANALYTICAL EQUIPMENT INDUSTRY

With user friendly software interface of Diastograph, it's possible to work with different kind of samples such as starches, modified starches with modifications on heating/cooling rate and mixing bowl speed by operator depending on applications.



Technical Specifications:

Dimensions (H x D x W): (850 mm x 650 mm x 500 mm)

Energy : 220 V AC, 50 - 60 Hz

Net Weight : 72 Kg

Mixing bowl capacity : 550 ml

Mixing bowl speed : 75 min⁻¹ as a standard, adjustable 0 - 300 min⁻¹

Heating Rate : 1.5°C/min as standard, adjustable 0.1 - 3.0°C/min

*Optional Cooling System with Cooling Rate: 0.5 - 3.0°C/min

YUCEBAS MACHINE ANALYTICAL EQUIPMENTS INDUSTRY

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