

Viscometer-3158

Programmable Touch-screen Viscometer(Rheometer)



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Programmable Viscometers are very helpful for R&D researchers, besides can measure the sample viscosity under a certain speed and rotor, operate or can set different shear rate, shear stress to fully know the sample rheological behavior.

►► **Features:**

- Display sample shear rate and shear stress
- Continuous viscosity testing and sound alarm when beyond measurement range
- 7 inch high definition touch screen, easy to operate and display rich information. Powerful human-machine interface and various humanized operation menu for conversion.
- Anti-static shell and PC material lifting pole
- Build-in temperature probe RTD
- ARM chip processor: higher data processing speed
- New designed durable small axes
- Come with a gigabit ethernet interface to transfer data, reliable and quick.
- Come with USB interface, support operate to save measurement through external disk U: single point, continuous and timed saving ways for option.
- Come with RS 232 interface, can print measuring data by mini-printer with less labor.
- Calibrated by user, temperature and viscosity correction factor are protected by password, also can be modified by user when they have reliable and accurate data.
- Convert freely between various viscosity units, dynamic viscosity convert kinematic viscosity automatically
- Linear calibration by a computer
- Power supply: 100V-240V, powerful anti-interference
- Accompanied with detailed operation instruction
- Professional programmed analyse software for option, can display sample rheological curve

Series----Low Temperature Thermostatic Bath

- Low Viscosity Adapter (The 0th rotor and can measure 1.0 mPa.s sample)
- Small Sample Adapter (It's specially designed for customers with small samples and requires only a quantity as small as 5~18ml; Sample cup is easily cleaned, installed, removed, and observed; Accurate data of shear rate and shear stress can be obtained for a minute analysis of the fluid characteristics of the sample; One-off sample cups are available)
- Mini Single Color Printer

-RTD Thermometer (-20°C~120°C)

-Thermoses (It has been designed to accurately measure the viscosity of heated oil, paraffin, asphalt emulsions, medicine, high polymer and similar liquid materials at high temperatures. It allows control of a sample's temperature at a range of room temperature +300°C. It can program the intelligent thermostat and ensures its temperature fluctuation within 0.1°C. Sample dosage is as small as 10ml, and one-off sample cups are available. Standard type of SC4 spindle can be applied, which is easy to use)

-Viscometer data collection and programmed analysis software (Automated data collection and testing ; resulting in viscometer graph, and recording measuring data each time ; Allowing comparison of at most 10 history data ; Output Excel documents ; Programmable downloading, Offline working ; Analyses data, draw charts and print)

►► Specifications

Ordering Information → Parameters ↓	ATL 3158/S
Measurement Range (mPa.s)	ATL 3158/1S: 0.56M ATL 3158/2S: 2040M ATL 3158/3S: 5080M ATL 3158/4S: 200320M
R.P.M (per min)	0.1-250
Rotor Amount	ATL -3158/1: four rotors---No.1, No.2, No.3, No.4 (#0 is optional) ATL -3158/2 ATL -158/3, ATL -3158/4: six rotors--- No.2, No.3, No.4, No.5, No.6, No.7 (No.0 and No.1 for option)
Measurement Accuracy	±1.0% (of the full range)
Repeatability	±0.5% (of the full range)
Power Supply	Power Adapter (Input: 110/220 V; 50 /60 Hz; Output: 15V; 1.2A)
Optional Accessories	---Low viscosity adapter (No.0 rotor) ---Small sample adapter (comes with NO.21, NO.27, NO.28, NO.29, and the max. measure range would be reduce one-sixth) ---Mini single color printer —Viscometer data collection and programmed analyses softw are

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

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Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

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Double Beam



Infra FTIR



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Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
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Ion Chromatograph



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system

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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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