Fungilab

adv

FGB QUALITY
+ LOW COST

VISCOLEAD ADV

Measuring of advanced viscosity

- Program features
- Data displayed
- Temp. Reading by PT100
- Viscosity readings
- USB interface
- Datalogger software included
- Universal adapter

1 YEAR WARRANTY

AUTO-TEST

PROGRAMS

MEMORIES

Fungilab

LEADING VISCOSITY TECHNOLOGY

VISCOLEAD SERIES

MAIN FEATURES:

- **6 key Membrane Keyboard.**
- **Screen Data:**
  - Selected speed - r.p.m.
  - Selected spindle - SP
  - Viscosity reading - cP (mPa·s) or cSt
  - Percentage of full scale - %
  - Sample Temperature - ºC or ºF
  - Shear Rate (with coaxial spindles) - SR (s-1)
  - Shear Stress (with coaxial spindles) - SS (N/m^2)
  - Density (introduced by the user) - g/cm^3
- **Viscosity reading:**
  - Dynamic viscosity (cP or mPa·s)
  - Kinematic viscosity (cSt).
  - Units Converter from SI to CGS.
- **Program Features:**
  - Time to torque: Ending of the test upon reaching a programmed torque.
  - Time to stop: Ending of the test upon reaching a programmed time.
  - 10 working memories.
- **Other main features:**
  - AUTO-TEST with visual and resonant alarm
  - AUTO-RANGE function
  - Temperature Reading through PT100 probe
  - User-enabled viscosity and temperature calibration
  - 10 language options
  - Port: USB
  - Software Datalogger: USB lets tranfer data to an Excel file in the PC
  - USB Thermosphere connection port

Standard delivery:

- The equipement is supplied complete with standard spindles (4 spindles for L model / 6 spindles for R and H models)
- Viscometer stand
- Spindle protector
- Temperature probe PT100
- Spindle support
- Power supply
- Manual
- Calibration certificate

Spindles: AISI 316 Stainless steel spindle, easily to identify according to its letter and number, in terms of the range of viscosity. Our units fulfills the next standards: BS: 6075, 5350 / ISO: 2555, 1652 / ASTM: 115, 789, 1076, 1084, 1286, 1417, 1439, 1638, 1824, 2196, 2336, 2364, 2393, 2556, 2669, 2849, 2983, 2994, 3232, 3236, 3716

TECHNICAL SPECIFICATIONS:

- **Precision:** +/- 1% full scale of range
- **Resolution:** For a minus viscosity of 10.000 cP : 0.1 cP
  For a major viscosity of 10.000 cP : 1 cP
  With the low viscosity adapter (LCP-LCP/B) : 0.01cP
- **Repeatability:** 0.2%
- Temperature probe features: Temperature limits:
  - 40ºC to 300ºC
  - 40ºF to 572ºF
- **Resolution:** 0.1ºC / 0.1722ºF
- **Precision:** +/- 0.2ºC / +/- 0.3444ºF
- **Type of probe:** PT100
- Supplied at 110-240VAC, 50/60 Hz.

Accesories:

- **APM:** Small Sample Adapter with circulation jacket (without TL or TR spindles) Sample volume (6.7 - 13 ml.) Compatible with Brookfield viscometers
- **APM/B:** Small Sample Adapter without circulation jacket (without TL or TR spindles) Sample volume (6.7 - 13 ml.) Compatible with Brookfield viscometers
- **LCP:** Low Viscosity Adapter with circulation jacket (with spindle) Sample volume (16 ml.) Compatible with Brookfield viscometers
- **LCP/B:** Low Viscosity Adapter without circulation jacket (with spindle) Sample volume (16 ml.) Compatible with Brookfield viscometers
- **HELDAL:** Helix Drive Unit Accessory for measuring non-flowing substances viscosity (with spindles)
- **THERMOSPHERE:** Temperature control unit up to 300 ºC

The viscosity range of the equipment is referenced between 0.1 and 100 rpm.

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
VL210003	ADV L	*1 - 2.000.000	0.3 - 100	18
VL210002	ADV R	100 - 13.000.000	0.3 - 100	18
VL210001	ADV H	200 - 106.000.000	0.3 - 100	18

PPR system Fast spindle switch (push plug and release)

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
VL211003	ADV L + PPR	*1 - 2.000.000	0.3 - 100	18
VL211002	ADV R + PPR	100 - 13.000.000	0.3 - 100	18
VL211001	ADV H + PPR	200 - 106.000.000	0.3 - 100	18

Ranges		
	• (L) Low viscosity model • (M) Medium viscosity model • (H) High viscosity model	*Low viscosity: The minimum viscosity when using a "L" range with standard spindles is 10 cP * For measurements < 10cP, its recommended to use in conjunction with the low viscosity adapter (LCP or LCP/B).

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