DIGITAL AUTO-TENSIOMETER
MODEL RTM-101

RIGO

This is an improved version of our conventional torsion-balance type tensiometer, Model No. RTD-01DC. Since this apparatus consists of separate measuring and control units, its measurement can be done with greatly improved stability. The apparatus is provided with data printout interface (RS-232C) as standard configuration. Use of this tensiometer with an optional printer makes it possible to do an easy data management. This apparatus can make measurements even at a constant temperature with a circulating constant temperature bath and thermometer in use.

RTM-101
(Printer in option)

[SPECIFICATIONS]

(1) Main unit

- Measuring method : Du Nouy Ring method
- Measuring system
  Sample is pulled to a maximum extent by a photo differential balance so that a maximum load can be measured.
- Measuring range : 5 to 100 dyne/cm
- Display unit
  An LCD (liquid crystal display) provided on the keyboard : It displays data, factors and sample ID No.
- Factors
  The ten keys provided on the keyboard can be used to set the factors as follows:
  - Ring diameter : Freely settable in a range of 1.000 to 1.999 cm
  - Wire diameter : Freely settable in a range of 0.001 to 0.099 cm
  - Sample density : Freely settable in a range of 0.001 to 9.999
- Operating ambient temperature : 5 to 40°C
- Power requirements : 220 V AC, 150 W
- Dimensions
  Main unit : 210 (W) x 270 (D) x 410 (H) mm
  Keyboard : 250 (W) x 135 (D) x 25 (H) mm
- Weight
  Main unit : Approx. 10 kg
  Keyboard : Approx. 0.8 kg
- Accessories
  Platinum ring (with case), 1 pc.
  Sample container, 1 pc.

(2) Optional accessories

- Circulating constant temperature bath
  Model TRL-108H : to be used to keep samples at a temperature ranging from –5 to 50°C
- Sample thermometer
  Digital thermistor thermometer : to measure the temperature of samples under measurement
- Printer
  Model MPT-150 : dot matrix printer, with cable

XEBEX

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