

Automatic Tension Tester

General information about ADOT-1400AT

Automatic Tension Tester

Intermolecular forces will generate interface tension and surface tension of liquids. The value of tension reflects liquid sample's physics and chemical properties, which is one of the most important index for product quality. ADOT-1400AT automatic tension tester tests kinds of liquid surface tension and interface tension according to ring method which is simple and accurate. It is widely used in electric, petroleum, chemical, medicine, food and teaching filed.

Features:

- ✓ Exclusive and quick response electromagnetic balance sensor is adopted, to improve the accuracy of the measurement and degree of linearity.
- ✓ Only using one point calibration, to solve the problem of previous sensor which needs multi-point calibration. It is no need to use zero potentiometer and full scale potentiometer.
- ✓ Real-time show equivalent tension value and current weight.
- ✓ Integrated with temperature detection circuit, to compensate temperature automatically for test result.
- ✓ 240*128 dot matrix LCD screen. No logo button has function of screen protection.
- ✓ Save up to 255 history records with time indicated.
- ✓ Built in high speed thermal mini printer to print out quickly. It also has function of off -line print.
- ✓ With RS232 port, to connect with PC directly.



Technical Specification of the device:

- Measuring range 0-200mN/m
- Accuracy 0.1% of the reading \pm 0.1 mN/m
- Resolution 0.1mN/m
- Sensitivity 0.1mN/m
- Power supply AC220V \pm 20%,50Hz \pm 10%
- Maximum power consumption 20W
- Environmental temperature 10~30°C(25°C is the best)
- Environmental humidity \leq 85% RH
- Dimension 200×300×330(mm)
- Weight 6kg

