

Features

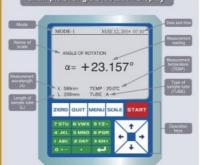
- NEW FDA 21 CFR Part 11 Software Included in Standard Delivery.
- New With high resolution : Angle of rotation 0.001°, International Sugar Scale 0.001°Z

 Easy To Use: Simply place an observation tube in the sample chamber of the AP-300 and press START key
- *Automatic Temperature Compensation Function for International Sugar Scale with a range between 18°C and 30°C
- Built in memory stores the 30 most recent measurement readings
- Out-of-range measurements are indicated instantly by graphic display
- The AP-300 offers ease of use with a very competitive price
- ■Compact and space saving ■Average Measurement Value is Displayed!
- Password Function as necessary for ISO Standard!

Application

- Measures the specific optical rotation of medical agents
- Measures the concentration of optically active substances found in fragrance materials or chemical compositions
- Measures the international sugar scale and the purity of sugar
- Identifies the attributes of inverted sugar, etc.
- Measures the specific optical rotation or the concentration of optically active substances

Example of angle of rotation display



Explanation of measurements display

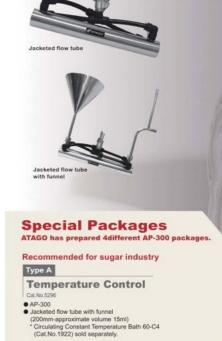
Explanation of measurements display

Angle of rotation
The angle of rotation is the basic numeric value measured by polarimeters, and changes depending on the concentration of the solution, the length of the observation tube, temperature, and/or the measurement wavelength. It is symbolized by "c" and indicated in "."

International Sugar Scale is indicated in "2."
The measurement value of 250 of sucrose in 100mi of sucrose solution in a 200mm observation tube is 100°2. This measurement value is commonly used in the sugar manufacturing industry, and is usually temperature-compensated to the reference temperature of 20°C (68°F). The AP-300 can display the measurement value via the value is 50°C and sizely the measurement value of 20°C (68°F). The AP-300 can display the measurement value with or without temperature compensation (Autonatic Temperature Compensation, "AIC").

Specific Rotation is a numeric value unique to each substance. By definition, the specific rotation value is equivalent to the angle of rotation obtained by a measuring a solution of 100% concentration in a 100mm observation tube (allhough such a measurement is actually not practical).

of unity in the proportion of sucrose compared to the soluble solid The Purity is the proportion of sucrose compared to the soluble solid content in a sample. It is indicated in "%." To measure the purity, input the Britx solute of the sample (which can be obtained by using an ATAGO refractometer) into the AP-300 before taking a measurement.



Type B

No Temperature Control

AP-300
 Unjacketed flow tube with funnel (200mm-approximate volume 15ml)

Recommended for pharmaceutical industry

Type C

Temperature Control

Туре No