

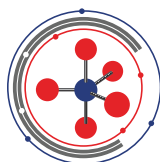
# AVANPRO



## AP-200

Semiautomatic Polarimeter

The **AP-200** semiautomatic polarimeter is the ideal device to determine the concentration of optically active substances, based on the principle of photoelectric balance. The **AP-200** can be used to calculate purity, concentration, and the percentage content of a substance by measuring the chemical composition of the solution. The **AP-200** is the ideal device for sugar analysis.



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# AP-200

Semiautomatic Polarimeter

## TECHNICAL DATA

<b>MODES OF MEASUREMENT</b>	Optical & specific rotation, concentration, and int. sugar scale
<b>MEASUREMENT RANGE</b>	$\pm 90^\circ$ , $\pm 130^\circ$ Z
<b>ACCURACY</b>	$\pm 0.02^\circ$ , $\pm 0.05^\circ$ Z
<b>RESOLUTION</b>	0.005°
<b>WAVELENGTH</b>	589 nm
<b>LIGHT SOURCE</b>	LED, interference filter
<b>TEMPERATURE RANGE</b>	0 to 100 °C
<b>MEMORY</b>	Stores up to 100 sets of data
<b>TUBE</b>	100 / 200 mm
<b>INTERFACE</b>	USB communication interface
<b>DISPLAY</b>	5.6" touch-screen
<b>DIMENSIONS</b>	550 x 300 x 220mm / 19.7" x 12" x 8.7" (L x W x H)
<b>WEIGHT</b>	7.5kg / 16.5lb
<b>POWER SUPPLY</b>	110 / 240V, 50 / 60 Hz
<b>WARRANTY</b>	1 year

### ADDITIONAL CHARACTERISTICS:

- Equipped with a temperature sensor to automatically detect the sample temperature
- Auto-zero function
- Automatic temperature compensation
- 1-3 calibration points
- Stored data can be transfer to a PC by interface
- USB communication
- On-screen instructions to support with the fuctions of the polarimeter

