



New Automatic Polarimeter



Cat.No.5291

Automatic Polarimeter AP-300



Package for sugar mill industry

Type A Temperature Controlled

Cat.No.5296

- AP-300 (including accessories)
 - Jacketed flow tube with funnel and temperature sensor for jacket (200mm-approximate volume 15ml)
- ※Circulating Constant Temperature Bath 60-C3 (Cat.No.1921) sold separately.

Jacketed flow tube with funnel

Type B Temperature Compensation

Cat.No.5297

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



Up-graded Automatic Polarimeter

Other features and the specifications were the same as the AP-100.

Readings are more stable due to the restructure in construction.

New feature, the average display is added.

Also, necessary feature for ISO standard, the password function is added.

AP-300 Specifications

Measurement scales	Angle of Rotation, International Sugar Scale (without temperature compensation), International Sugar Scale (with Automatic Temperature Compensation)	Display panel	Color LCD with backlight
Measurement readings	Angle of Rotation, International Sugar Scale (without temperature compensation), International Sugar Scale (with Automatic Temperature Compensation), Specific Optical Rotation, Concentration, and Purity.	Graphic display	Graphic display indicating the conformity of measurement values for measurements with limit settings.
Measurement range	Angle of Rotation: $-89.99 \sim +89.99^\circ$ International Sugar Scale: $-130.00 \sim +130.00^\circ Z$	Additional feature	(1) Average display feature (2) Password function
Minimum indication	Angle of Rotation: 0.01° International Sugar Scale: $0.01^\circ Z$	Output	(1) Digital printer DP-63 or DP-AD (optional). (2) RS-232C input/output ports for connecting to a computer system.
Measurement accuracy	Angle of Rotation: $\pm 0.01^\circ$ International Sugar Scale: $\pm 0.03^\circ Z$ (Checked by reading a standard quartz plate)	Light source	Halogen lamp
Temperature compensation range for International Sugar Scale	$18.0 \sim 30.0^\circ C$	Accessories	100mm, 200mm observation tube (1 each)
Length of observation tube	Up to 200mm	Power supply	AC100V to 240V, 50/60Hz
Temperature accuracy	$\pm 0.5^\circ C$	Power consumption	50VA
History function	Flash memory stores the previous 30 measurement values for reference, printing or exporting to a computer.	Dimensions and weight	48.5 × 28.5 × 17.5cm, 13.9kg (main unit only)

All ATAGO polarimeters are designed and manufactured in Japan.



ATAGO products are acknowledged by HACCP, G.M.P. and G.L.P. systems.

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