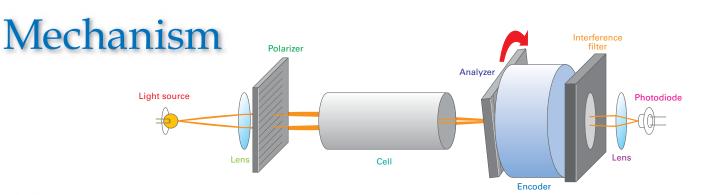
Here at last – the product of our uncompromising pursuit of ultimate usability.

- •FDA 21 CFR Part 11 Software Included in Standard Delivery NEW
- Measurement stability in 12 seconds (4 seconds in the high-speed & consecutive measurement mode)
- Resolution of up to 4 decimal places
- Repeatability of $\pm 0.003^{\circ}$ Angle of Rotation and $\pm 0.0090^{\circ}$ Z
- Up to 999 automatic consecutive measurements followed by average value display
- •Sleep & timer feature to take measurement later at specified time
- Improved usability with the use of touch screen technology
- Connectivity to RX Digital Refractometers for automatic purity measurement







Specifications

SAC-i Cat.	.No.5951
leasurement *	Angle of Rotation: $\pm 0.002^{\circ}$ (-5.0000 to +5.000

±0.005° (-45.0140 to -5.0001°, +5.0001 to +45.0140°) International Sugar Scale: ±0.0150°Z (-130.0000 to +130.0000°Z)

Other ranges | Angle of Rotation: ±0.010° International Sugar Scale: ±0.0300°Z

Repeatability * ±0.003° Angle of Rotation and ±0.0090°Z

SAC-i 589/882 Cat.No.5952

Light source unit LED: 589nm interference filter

Measurement * 589nm: Angle of Rotation: ±0.002° (-5.0000 to +5.0000°) ±0.005° (-45.0140 to -5.0001°, +5.0001 to +45.0140° International Sugar Scale: ±0.0150°Z (-130.0000 to +130.0000°Z)

Other ranges | Angle of Rotation: ±0.010° International Sugar Scale: ±0.0300°Z

882nm: Angle of Rotation: ±0.005° (-19.3000 to +19.3000°) International Sugar Scale: ±0.0150°Z (-130.0000 to +130.0000°Z) Other ranges Angle of Rotation: ±0.010° International Sugar Scale: ±0.0700°Z

589nm (equivalent to the sodium-D line spectrum) 882nm (near infrared ray) Light source unit LED: 589nm interference filter 882nm interference filter

	Measurement	Angle of Rotation
)	Scales	International Sugar Scale (without temperature compensation)
		International Sugar Scale (with Automatic Temperature Compensation)
		Specific Rotation
		Concentration
_		Purity
_		User scale
_		Angle of Rotation of Quartz Plate (with Automatic Temperature Compensation)
_		Temperature (°C/°F)
	Measurement	Angle of Rotation:-89.9999 to +90.0000° and -360.0000 to +360.0000°
	range	International Sugar Scale:-259.0000 to +259.0000°Z
	Resolution	Angle of Rotation: 0.0001°
°)		International Sugar Scale: 0.0001°Z
	Temperature compensation range	10 to 40°C
	Temperature display accuracy	±0.2°C
	Ambient temperature	Use the instrument where the temperature is between 10 to 40°C $$
)	Display method	7.5-inch color LCD + touch screen
	Printer output	Digital printer DP-AD/DP-63 (sold separately)

Output method: RS-232C (9 pin D-Sub male connector)

SAC-i series Common Specification

Data output to USB flash drive CSV text file format

Communication with computer Communication via: USB-Seria

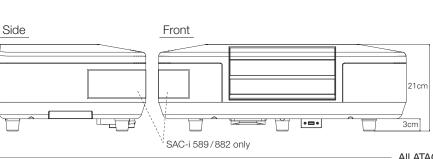
Observation tube included Observation tubes (100mm [5ml], 200mm [10ml] AC100 to 240V, 50/60 Hz

Dimensions and weight 60×36.5×21cm, 20.0kg (main unit only)



Power supply

Power consumption 140VA



All ATAGO polarimeters are designed and manufactured in Japan.

ATAGO CO.,LTD. http://www.atago.net/ overseas@atago.net

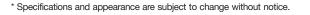
ATAGO U.S.A., Inc.

ATAGO ITALIA s.r.i.

ATAGO RUSSIA Ltd.

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TEL: 1-425-637-2107 ATAGO INDIA Instruments Pvt. Ltd ATAGO THAILAND Co.,Ltd. TEL: 66-21948727-9 ATAGO BRASIL Ltda. TEL: 55 16 3913-8400 TEL: 39 02 36557267 ATAGO CHINA Guangzhou Co.,Ltd. TEL: 86-20-38108256 TEL: 7-812-777-96-96 ATAGO NIGERIA Scientific Co., Ltd. TEL: 234-707-558-1552





HACCP GMP GLP

ATAGO products comply with HACCP,GMP

and GLP system standards



SAC - 1 Cat.No.5951 SAC-i589/882

Automatic Polarimeter / Saccharimeter



samples are measured at 882nm without decolorization treatment.

SAC-i 589/882 can measure samples at both 589nm and 882nm by changing the optical units.

High Performance Sugar Analysis, Now Easier Than Ever.



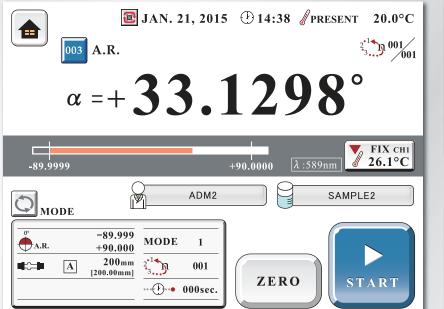
FDA 21 CFR Part11 compliant

^{*} Checked by reading a standard quartz plate.



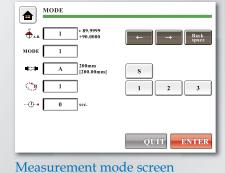
Smooth and Accurate Operations, Guaranteed

Touch Screen



Measurement screen with setting sub-window (lower left)

Basic settings are easily accessible from a sub-window within the main measurement screen. With a touch on the screen, it can switch to display the last 10 measurement history.



Customize measurement methods mode, wait time, consecutive measurements, temperature, and more.

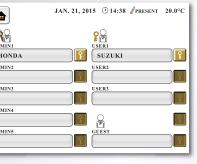
CLEAR QUI

Up to 5,000 each of measurement and zerosetting / calibration data can be stored.



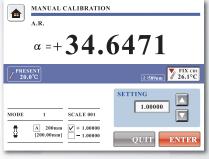
Sale edit screen

Edit and save your own scales with ease.



High-security protection

Design your ideal data security system with the 4 system levels in combination with 9 individual user passwords.



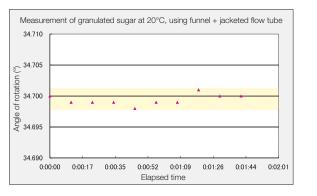
Manual calibration

Correct measurement discrepencies among units within the accuracy specification for consistency across multiple units.

Exceptional Stability & Reliability

Increased repeatabilit

ATAGO's innovations in technology has made high-stability measurement possible. The repeatability is the best in its class, and sample types that are conventionally difficult to measure can be measured with great repeatability and accuracy.



PTB traceabilit

Manufacturing and calibration is executed with quartz control plates made to the German PTB standards.

Kalibrierschein Calitysier Cetifium

1 Quantimentplate



pproved by CONSECANA

The SAC-i has passed the vigorous



User-Friendly Construction



An observation tube length of up to

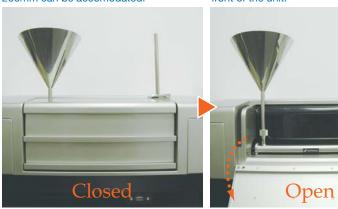


USB ports are easily accessible from th

Hardware

Flow cell (sold separately)

The chamber cover opens forward. allowing for hassle-free installation of the flow cell attachment.



Accessories

SAC-1 Cat.No.5951



Observation tubes

RE-72080: Observation tube 50mm OT-50(I) (SUS) 2.5ml RE-72078: Observation tube 100mm OT-100(I) (SUS) 5ml RE-72079: Observation tube 200mm OT-200(I) (SUS) 10ml RE-72113: Jacketed flow tube with funnel 100mm RE-72114: Jacketed flow tube with funnel 200mm

RE-72037: Unjacketed flow tube with funnel 100mm RE-72038: Unjacketed flow tube with funnel 200mm

RE-72110 : Jacketed flow tube 50mm (With water jacket)

RE-72111: Jacketed flow tube 100mm (With water jacket)

RE-72112: Jacketed flow tube 200mm

RE-72051: Unjacketed Flow Tube (Glass) 50mm/4.5ml RE-72042: Unjacketed small volume observationtube 10mm long 1ml RE-72052: Unjacketed Flow Tube (Glass) 100mm/9ml

DP-63 Cat.No.3118

Input method: RS-232C Type of printer: Thermal printing

Printing data fields : Angle of rotation, International Sugar Scale, Specific optical rotation, Concentration Purity, Length of sample tube, Measurement temperature, Day, Month, Year and Time

Power supply : AC adapte Power consumption: (Input voltage: AC100 to 240V) 13VA Dimensions and weight: 17×16×7cm,580g (main unit only)

Digital printer DP-AD cat.No.3123

Input method : RS-232C

Type of Printer : Dot matrix printing Printing data fields : on rolled plain paper (not thermal) Angle of rotation, International Sugar Scale, Specific optical rotation, Concentration, Purity, length of sample tube, Measurement temperature, Day, Month, Year and Time Power supply : AC adapter Power consumption : (Input voltage : AC100 to 240V) 7VA Dimensions and weight : 11×18×9cm, 470g (main unit only)

Circulating constant 60-C4 Cat.No.1922

Tank capacity : 0.5L Temperature setting range

10 to 60°C (water) Constant-temperature ±0.2°C, PID control method accuracy: using a thermo-module Flow rate : 4L / min. Power supply : AC100 to 240V 50 / 60Hz Power consumption : 430VA

RE-72043 : Quartz Control Plate 8° (25°Z) RE-72044: Quartz Control Plate 17° (50°Z) RE-72045 : Quartz Control Plate 34° (100°Z) RE-72048: Quartz Control Plate -8° (-25°Z) RE-72049: Quartz Control Plate -17° (-50°Z) BE-72050: Quartz Control Plate -34° (-100°Z)

Included software Quartz control plates



electronic records and electronic signatures. Cat.No.3167



Dimensions and weight : 38×24×27cm, 11.0kg (main unit only)