

Automatic Polarimeter / Saccharimeter SAC-i 589/882



Quotation Request



Send an inquiry

### High Performance Sugar Analysis, Now Easier Than Ever.

It has become common that dark color - raw sugar 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.

This product comes standard with a two (2) year limited warranty against manufacturer's defects from the date of the original purchase. The warranty period can be extended to three (3) years [if the product is registered with ATAGO](#).

#### Specifications

Model	SAC-i 589/882
Cat.No.	5952
Measurement Readings	Angle of Rotation International Sugar Scale Specific Rotation Concentration Purity User scale Angle of Rotation (Temperature Compensation of Quartz Plate) Temperature (°C / °F)
Range	Angle of Rotation:-89.9999 to +90.0000° and -360.0000 to +360.0000° International Sugar Scale : -259.0000 to +259.0000°Z
Resolution	Angle of Rotation : 0.0001° International Sugar Scale : 0.0001°Z
Accuracy	589nm ①Angle of Rotation : ±0.005° ( -45.0 to +45.0° ) ②International Sugar Scale : ±0.015°Z ( -130.0 to +130.0°Z ) Other ranges ①Angle of Rotation : ±0.010° ②International Sugar Scale : ±0.030°Z * Checked by reading a standard quartz plate  882nm ①Angle of Rotation : ±0.005° ( -19.3 to +19.3° ) ②International Sugar Scale : ±0.015°Z ( -130.0 to +130.0 °Z ) Other ranges ①Angle of Rotation : ±0.010° ②International Sugar Scale : ±0.070°Z * Checked by reading a standard quartz plate
Temperature compensation	10 to 40°C
Measurement Wavelength	589nm (equivalent to the sodium-D line spectrum) 882nm ( infrared nearby )
Dimensions & Weight	60×36.5×21cm, 20.0kg
Included Accessories	PolariSoft(Software)
Output	Digital Printer <a href="#">DP-AD</a> (sold separately), Output method : RS-232C (9 pin D-Sub male connector) USB flash drive and PC - USB

### Options

- Digital printer DP-AD (Dot matrix printer) : Cat.No.3123
- Observation tube 50mm OT-50(I) (SUS) 2.5mL : RE-72080
- Observation tube 100mm OT-100(I) (SUS) 5mL : RE-72078
- Observation tube 200mm OT-200(I) (SUS) 10mL : RE-72079
- Jacketed flow tube with funnel 100mm : RE-72118
- Jacketed flow tube with funnel 200mm : RE-72119
- Unjacketed flow tube with funnel 100mm : RE-72120
- Unjacketed flow tube with funnel 200mm : RE-72121
- Unjacketed small volume observationtube 10mm long : RE-72081
- Jacketed flow tube 50mm : RE-72115
- Jacketed flow tube 100mm : RE-72116
- Jacketed flow tube 200mm : RE-72117
- Quartz control plate 34°(100°Z) : RE-72045
- Quartz control plate 17°(50°Z) : RE-72044
- Quartz control plate 8°(25°Z) : RE-72043
- Quartz Control Plate -34° (-100°Z) : RE-72050
- Quartz Control Plate -17° (-50°Z) : RE-72049
- Quartz Control Plate -8° (-25°Z) : RE-72048
- Jacketed Flow Tube (Hastelloy) 100mm : RE-72122
- Stylus pen : RE-79010

**Purchase a quartz plate and a polarimeter as a set and receive a discount (for details, please contact the ATAGO sales department).**

### Parts

- Printer paper (regular) for Thermal printer : RE-8412
- Printer paper (long-term storage) for Thermal printer : RE-8414
- Printer paper for Dot matrix printer : RE-89403
- Ribbon cassette : RE-89402