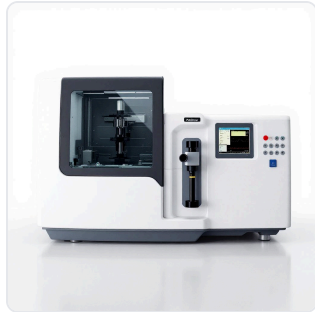


DATASHEET · ANALYTICAL INSTRUMENTS

# High-Speed Automatic Polarimeter.

SKU BIO-0549 Spec v1 Rev. 2026-07-10

DATASHEET · P  
**BIO-**  
Rev 2026



PRODUCT FAMILY  
ANIMAL MODEL  
APPLICATION  
COUNTRY OF ORIGIN  
MFG. STANDARD  
LOT TRACEABLE **No**  
VERIFIED **Spec v1 · 2026-07-10**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

AUTOMATION LEVEL	fully-automated	MEASUREMENT MODE	Optical rotation, specific rotation degree and concentration
FREQUENTLY USED METHODS	30	LIGHT SOURCE	(LED) (up to 100000 hours) +pr interference filters
WORKING WAVELENGTH	589nm(Sodium D Spectrum)	MEASUREMENT RANGE	±90°(Rotation ) ±259°Z(Sugar )
MINIMUM READING	0.001°	REPEATABILITY	▮ 0.002°
MIN. TRANSMISSION OF SAMPLES ABLE TO BE MEASURED	0.1%	RESPONSE SPEED	8°/S
MEASUREMENT TIME	6 times/26s	SAMPLE TEMP. CONTROL	Yes
TEMP. CONTROL MODE	Peltier(Built-in)	TEMP. CONTROL RANGE	10~50▮
BRAND	ConductScience	RESEARCH DOMAIN	Analytical Chemistry, Environme Monitoring, Food Science, Indus Hygiene, Materials Science, Pharmaceutical QC
ACCURACY	±0.004°	DIMENSIONS L×W×H (MM)	47.0 × 86.0 × 51.0
WEIGHT (KG)	36.0	AVAILABILITY	In stock

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONFIGURATION

QTY	ITEM	SKU
	High-Speed Automatic Polarimeter	BIO-0549



---

**Scope.**

[INFO@CONDUCTSCIENCE.COM](mailto:INFO@CONDUCTSCIENCE.COM)   [CONDUCTSCIENCE.COM](http://CONDUCTSCIENCE.COM)

BIO-0549 · DATASH

DATASHEET · ANALYTICAL INSTRUMENTS

# High-Speed Automatic Polarimeter.

SKU BIO-0549 Spec v1 Rev. 2026-07-10

DATASHEET · P

**BIO-**

Rev 2026

## BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM

High-Speed Automatic Polarimeter

## MATERIALS REFERENCE

0 MATERIAL

CODE

DESCRIPTION

PROPERTIES

USED IN

Cross-reference.



DATASHEET · ANALYTICAL INSTRUMENTS

# High-Speed Automatic Polarimeter.

SKU BIO-0549 Spec v1 Rev. 2026-07-10

DATASHEET · P

**BIO-**

Rev 2026

## OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COMI

### OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

### STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

### STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

## ANIMAL COMPATIBILITY

BY SPECIES

## NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
---------	-------------	-------------

Specifications verified against current published product data. Verified 2026-07-10 · Since 2026-07-10.

**Cite:** ConductScience BIO-0549, Spec v1, 2026-07-10. [conductscience.com/lab/high-speed-automatic-polarimeter](https://conductscience.com/lab/high-speed-automatic-polarimeter)

INFO@CONDUCTSCIENCE.COM    CONDUCTSCIENCE.COM

BIO-0549 · DATASH