

DATASHEET · ANALYTICAL INSTRUMENTS

# Digital Automatic Polarimeter.

SKU BIO-0543 Spec v1 Rev. 2026-07-09

DATASHEET · P  
**BIO-**  
Rev 2026



PRODUCT FAMILY  
ANIMAL MODEL  
APPLICATION  
COUNTRY OF ORIGIN  
MFG. STANDARD  
LOT TRACEABLE **No**  
VERIFIED **Spec v1 · 2026-07-09**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PROD

AUTOMATION LEVEL	fully-automated	LIGHT SOURCE	LED+interference filter
MEASURING RANGE	±45°(optical rotation)/±120°Z(sugar)	WAVELENGTH	589nm
READABLE ACCURACY	0.001°(optical rotation) 0.01°Z(sugar)	REPEATABILITY	≤0.002°(optical rotation)
TEST MODE	Optical rotation, sugar degree	TEST TUBE	200mm, 100mm
SAMPLE TRANSMITTANCE	1%	INTERFACE	RS232
EXTERNAL SIZE(W*D*H)	570*350*280mm	PACKAGE SIZE(W*D*H)	730*480*470mm
BRAND	ConductScience	RESEARCH DOMAIN	Analytical Chemistry, Clinical Diagnostics, Environmental Mon Food Science, Materials Science Pharmaceutical QC
POWER/VOLTAGE	AC110/220V, 50/60Hz	WEIGHT	36kg
DIMENSIONS L×W×H (MM)	28.0 × 57.0 × 35.0	WEIGHT (KG)	36.0
AVAILABILITY	In stock		

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONF

QTY	ITEM	SKU
1	Digital Automatic Polarimeter	BIO-0543

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**Scope.**

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

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## BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM

Digital Automatic Polarimeter

## MATERIALS REFERENCE

0 MATERIAL

CODE

DESCRIPTION

PROPERTIES

USED IN

Cross-reference.



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## 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
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Specifications verified against current published product data. Verified 2026-07-09 · Since 2026-07-09.

**Cite:** ConductScience BIO-0543, Spec v1, 2026-07-09. [conductscience.com/lab/digital-automatic-polarimeter](https://conductscience.com/lab/digital-automatic-polarimeter)

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