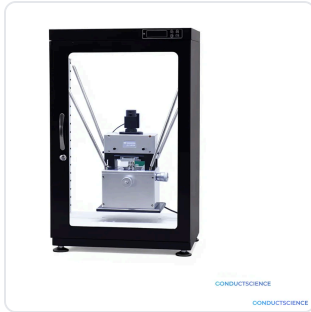


DATASHEET · MICROSCOPY

Atomic Force Microscopy.

SKU BIO-0522 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	semi-automated	SAMPLE SIZE	Φ≤90mm, H≤20mm
SCANNERS AVAILABLE	10*10μm, 20*20μm, 50*50μm, 100*100μm	SCANNING RESOLUTION	0.2nm in XY direction, 0.05nm in Z direction
RANGE OF SAMPLE MOVEMENT	±6.5mm	STEP-MOTOR PULSE WIDTH	10±2ms
IMAGE SAMPLING POINTS	512*512	OPTICAL MAGNIFICATION	4X Optical resolution 2.5μm
SCAN RATE 0.6HZ~4.34HZ	Scan angle 0°~360°	SCANNING CONTROL	18-bit D/A in XY direction, 16-bit in Z direction
DATA SAMPLING	14-bit A/D, double 16-bit A/D multi-channel synchronous sampling	FEEDBACK	DSP digital feedback
FEEDBACK SAMPLING RATE	64kHz	COMPUTER INTERFACE	USB 2.0
OPERATING SYSTEM	Windows XP/7/8/10	BRAND	ConductScience
RESEARCH DOMAIN	Analytical Chemistry, Cell Biology, Environmental Monitoring, Materials Science, Microbiology, Pharmaceutical QC	DIMENSIONS L×W×H (MM)	115.0 × 55.0 × 55.0
WEIGHT (KG)	65.0	AVAILABILITY	In stock

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONF

QTY	ITEM	SKU
1	Atomic Force Microscopy	BIO-0522

Scope.

INFO@CONDUCTSCIENCE.COM CONDUCTSCIENCE.COM

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BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM

Atomic Force Microscopy

MATERIALS REFERENCE

0 MATERIAL

CODE

DESCRIPTION

PROPERTIES

USED IN

Cross-reference.

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SKU BIO-0522 Spec v1 Rev. 2026-07-09

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

Cite: ConductScience BIO-0522, Spec v1, 2026-07-09. conductscience.com/lab/atomic-force-microscopy

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