

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

DIAGNOSTIC INSTRUMENTS

Diagnostic Instruments Microscope SMS16A Arm (stand not included)

Diagnostic Instruments Microscope SMS16A Arm, Articulating microscope arm providing flexible positioning for optical inspection equipment. Offers stable support for precision inspection tasks in laboratory and production environments (stand not included).



MODEL

**Diagnostic
Instruments
SMS16A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SMS16A

LISTING

<https://aumictechlabs.com/products/sms16a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The SMS16A is an articulating microscope arm engineered for stable, flexible positioning during precision inspection tasks in laboratory and production environments. This arm component - supplied without stand - delivers repeatable support for large-sample inspection where continuous horizontal microscope travel is not required. Built from anti-corrosion materials including stainless steel, anodized aluminum, plated steel, and catalyzed epoxy, the SMS16A features precision ground 38 mm (1.47 inch) diameter shafting that slides on nylon bearing surfaces. Soft-grip knobs secure the arm position through a solid aluminum cross slider, enabling deliberate repositioning without drift. Technical Specifications Shafting Diameter: 38 mm (1.47 inches), precision ground Horizontal Arm Length: 20.5 inches standard; custom lengths available Vertical Pole Height: 15.75 inches standard; custom lengths available Mounting Interface: 5/8 inch

diameter bonder socket mount for stereo microscope focus mounts Positioning System: Precision ground shafts clamped via soft-grip knobs in solid aluminum cross slider Bearing Surfaces: Nylon on shafts; cross slider block manufactured from solid aluminum Key Features Anti-corrosion construction using stainless steel, anodized aluminum, plated steel, and catalyzed epoxy Industry-standard 5/8 inch bonder mount interface ensures compatibility with current stereo microscope focus mounts Solid aluminum cross slider with nylon bearing surfaces for smooth, controlled movement Soft-grip knobs provide secure positioning without tool requirement Large-diameter precision shafting minimizes deflection and supports stable optical alignment Typical Applications Routine inspection of large samples in quality control and laboratory settings Production environment inspections requiring stable, repositionable optical access Tasks where microscope positioning is infrequent and sample size demands extended horizontal reach Compatibility & Integration Primary Interface: 5/8 inch bonder socket mount for stereo microscopes Adapter Support: Mounting adapters available for non-bonder style stereo microscope focus mounts and cameras with 1/4-20 inch threaded mounts Camera Integration: Accommodates camera mounting via appropriate adapters Part of SMS15/16 Series: Coordinates with the SMS series lineup; base configurations available separately

Features & description

From manufacturer datasheet

Technical Specifications

Shafting Diameter: 38 mm (1.47 inches), precision ground Horizontal Arm Length: 20.5 inches standard; custom lengths available Vertical Pole Height: 15.75 inches standard; custom lengths available Mounting Interface: 5/8 inch diameter bonder socket mount for stereo microscope focus mounts Positioning System: Precision ground shafts clamped via soft-grip knobs in solid aluminum cross slider Bearing Surfaces: Nylon on shafts; cross slider block manufactured from solid aluminum

Key Features

Anti-corrosion construction using stainless steel, anodized aluminum, plated steel, and catalyzed epoxy Industry-standard 5/8 inch bonder mount interface ensures compatibility with current stereo microscope focus mounts Solid aluminum cross slider with nylon bearing surfaces for smooth, controlled movement Soft-grip knobs provide secure positioning without tool requirement Large-diameter precision shafting minimizes deflection and supports stable optical alignment

Compatibility & Integration

Primary Interface: 5/8 inch bonder socket mount for stereo microscopes Adapter Support: Mounting adapters available for non-bonder style stereo microscope focus mounts and cameras with 1/4-20 inch threaded mounts Camera Integration: Accommodates camera mounting via appropriate adapters Part of SMS15/16 Series: Coordinates with the SMS series lineup; base configurations available separately

Diagnostic Instruments SMS16A — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Diagnostic Instruments SMS16A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values [Request Calibration](#) → [Request Repair Quote](#) →

Diagnostic Instruments SMS16A price

This Diagnostic Instruments SMS16A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Diagnostic Instruments SMS16A calibration cost

NIST-traceable calibration for the Diagnostic Instruments SMS16A is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

Routine inspection of large samples in quality control and laboratory settings
Production environment inspections requiring stable, repositionable optical access
Tasks where microscope positioning is infrequent and sample size demands extended horizontal reach

Unit notes

The SMS16A is an articulating microscope arm engineered for stable, flexible positioning during precision inspection tasks in laboratory and production environments. This arm component - supplied without stand - delivers repeatable support for large-sample inspection where continuous horizontal microscope travel is not required. Built from anti-corrosion materials including stainless steel, anodized aluminum, plated steel, and catalyzed epoxy, the SMS16A features precision ground 38 mm (1.47 inch) diameter shafting that slides on nylon bearing surfaces. Soft-grip knobs secure the arm position through a solid aluminum cross slider, enabling deliberate repositioning without drift.

Technical Specifications

Shafting Diameter: 38 mm (1.47 inches), precision ground
Horizontal Arm Length: 20.5 inches standard; custom lengths available
Vertical Pole Height: 15.75 inches standard; custom lengths available
Mounting Interface: 5/8 inch diameter bonder socket mount for stereo microscope focus mounts
Positioning System: Precision ground shafts clamped via soft-grip knobs in solid aluminum cross slider
Bearing Surfaces: Nylon on shafts; cross slider block manufactured from solid aluminum

Key Features

Anti-corrosion construction using stainless steel, anodized aluminum, plated steel, and catalyzed epoxy
Industry-standard 5/8 inch bonder mount interface ensures compatibility with current stereo microscope focus mounts
Solid aluminum cross slider with nylon bearing surfaces for smooth, controlled

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Diagnostic Instruments Microscope SMS16A Arm, Articulating microscope arm providing flexible positioning for optical inspection equipment. Offers stable support for precision inspection tasks in laboratory and production environments (stand not included).

The SMS16A is an articulating microscope arm engineered for stable, flexible positioning during precision inspection tasks in laboratory and production environments. This arm component - supplied without stand - delivers repeatable support for large-sample inspection where continuous horizontal microscope travel is not required. Built from anti-corrosion materials including stainless steel, anodized aluminum, plated steel, and catalyzed epoxy, the SMS16A features precision ground 38 mm (1.47 inch) diameter shafting that slides on nylon bearing surfaces.

Soft-grip knobs secure the arm position through a solid aluminum cross slider, enabling deliberate repositioning without drift.

Aumictech offers NIST-traceable calibration and repair for the Diagnostic Instruments SMS16A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1-3 business days after receipt.

Technical Specifications

Shafting Diameter: 38 mm (1.47 inches), precision ground Horizontal Arm Length: 20.5 inches standard; custom lengths available Vertical Pole Height: 15.75 inches standard; custom lengths available Mounting Interface: 5/8 inch diameter bonder socket mount for stereo microscope focus mounts Positioning System: Precision ground shafts clamped via soft-grip knobs in solid aluminum cross slider Bearing Surfaces: Nylon on shafts; cross slider block manufactured from solid aluminum

Key Features

Anti-corrosion construction using stainless steel, anodized aluminum, plated steel, and catalyzed epoxy Industry-standard 5/8 inch bonder mount interface ensures compatibility with current stereo microscope focus mounts Solid aluminum cross slider with nylon bearing surfaces for smooth, controlled movement Soft-grip knobs provide secure positioning without tool requirement Large-diameter precision shafting minimizes deflection and supports stable optical alignment

Compatibility & Integration

Primary Interface: 5/8 inch bonder socket mount for stereo microscopes Adapter Support: Mounting adapters available for non-bonder style stereo microscope focus mounts and cameras with 1/4-20 inch threaded mounts Camera Integration: Accommodates camera mounting via appropriate adapters Part of SMS15/16 Series: Coordinates with the SMS series lineup; base configurations available separately

Diagnostic Instruments SMS16A – Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Diagnostic Instruments SMS16A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1-3 business days after receipt.

Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

[Request Calibration](#) → [Request Repair Quote](#) →

Diagnostic Instruments SMS16A price

This Diagnostic Instruments SMS16A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Diagnostic Instruments SMS16A calibration cost

NIST-traceable calibration for the Diagnostic Instruments SMS16A is (standard – pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.