

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 10471A

Agilent/Keysight 10471A Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
10471A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

10471A

LISTING

<https://aumictechlabs.com/products/10471a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 10471A is a laser head designed as the optical source for laser interferometer positioning systems. It delivers stable, accurate laser output essential for precision metrology and dimensional measurement across demanding industrial and scientific applications. The unit combines exceptional wavelength stability with proven long-life tube technology, supporting measurement ranges up to 40 meters across all axes.

Technical Specifications

Wavelength Stability: ± 0.002 ppm (typical, vacuum, 1 hour); ± 0.02 ppm (vacuum, lifetime)

Wavelength Accuracy: ± 0.1 ppm (vacuum, 3 sigma, lifetime); ± 0.02 ppm with factory calibration to MIL-STD 45663

Measurement Range: 40 meters (130 feet) sum of all axes

Magnetic Field Strength: ≤ 5.25 milliGauss at 4.6 m (15 ft) from unit surface (non-operating)

Heat Dissipation: 23 W (operating); 35 W (warm-up)

Mean Time Between Failures: >50,000 hours (typical)

Laser

Classification: Class II per 21 CFR 1040.10 and 1040.11

Key Features

- Long-life proven laser tube architecture
- Exceptional wavelength stability supporting sub-ppm accuracy over extended periods
- Factory calibration to MIL-STD 45663 available
- Selectable beam diameter options: 3 mm (Option 003), 6 mm (standard), or 9 mm (Option 009)
- Low magnetic field emissions from integrated permanent magnets
- Compact thermal footprint with defined power dissipation profiles

Compatibility & Integration

Cabling clearance requirements: 12 cm beyond unit back (5517A model); 10.16 cm beyond unit back (5517B/BL/C/CL/D/DL/EL/FL/GL models).

3-mm beam diameter (Option 003) integrates with Keysight 10719A and 10721A differential interferometers, plus 10737L/R compact three-axis systems. 9-mm beam diameter (Option 009) supports 10735A and 10736A three-axis interferometer platforms.

10471A Characteristics / Specifications

PARAMETER	VALUE
Model	10471A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 10471A
Sku	10471A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	10471A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	10471A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 10471A
Sku	10471A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	10471A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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

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