

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KINGFISHER

Kingfisher KI3600XL-SI

The Kingfisher KI3600XL-SI is a precision optical power meter designed for fiber optic network installation, maintenance, and troubleshooting. Its large-area detector accommodates ribbon fiber, MT-RJ connectors, and large-core fibers up to 200 μm diameter, delivering higher power handling capacity than standard models. Rugged polycarbonate housing with shock-absorbent corners and drop-test durability Aumictech offers NIST-traceable calibration and repair for the Kingfisher KI3600XL-SI. Calibration covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Kingfisher KI3600XL-SI faults: detector contamination, damaged FC/PC input port, display failure. Common repairs



MODEL

**Kingfisher
KI3600XL-SI**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

KI3600XL-SI

LISTING

<https://aumictechlabs.com/products/ki3600xl-si-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kingfisher KI3600XL-SI is a precision optical power meter designed for fiber optic network installation, maintenance, and troubleshooting. Its large-area detector accommodates ribbon fiber, MT-RJ connectors, and large-core fibers up to 200 μm diameter, delivering higher power handling capacity than standard models. Technical Specifications Measurement Range: -70 dBm to +30 dBm Detector Types: InGaAs, Germanium (Ge), Silicon (Si), and attenuated versions Calibration

Wavelengths: 600 nm to 1650 nm Display Modes: dBm, dB, and linear units Battery Life: Approximately 1200 hours (2 × alkaline C cells, 7.6 A/hr) Auto Power-Off: 10 minutes of inactivity Operating Temperature: -15 °C to +55 °C Storage Temperature: -25 °C to +70 °C Humidity: <95% RH operating and storage Key Features Large-area detector for ribbon fiber and specialized connector applications Hold function for convenient data recording Max/Min recording with reset capability Autotest mode for automatic wavelength detection and attenuation measurement Rugged polycarbonate housing with shock-absorbent corners and drop-test durability Compact form factor: 165 × 120 × 40 mm, 400 g Connector Support Interchangeable screw-on connector adaptors accommodate SC, ST, SMA 905/906, FC, MU, Biconic, D4, LC/F3000, E2000/LSH, and MT-RJ styles. Supports both PC and APC polish. Standard 7/8" 28 TPI thread compatible with other power meter brands. Compatibility & Integration Autotest-compatible with other Kingfisher instruments for automated measurement workflows. Powered by 2 × alkaline C cells (nominal voltage not to exceed 1.8 V per cell).

KI3600XLSI Characteristics / Specifications

PARAMETER	VALUE
Model	KI3600XL-SI
Manufacturer	Kingfisher International
Instrument Type	Handheld optical power meter
Series	KI 3600XL
Alias	KI 3600XL-SI; KI3600XL-SI-MP; KI3600XL SI
Detector	silicon Si, diameter at least 2 mm
Response Wavelength	350 to 1100 nm
Power Range Si Typical	+5 to minus 60 dBm (confirm label)
Display Units	mW, uW, nW, dB, dBm
Resolution	0.01 dB
Battery Life	typically 1200 hours
Calibration Interval	3 years
Connector Interface	industry standard screw on, almost any style
Autotest	automatic multi wavelength with compatible source
Tone Detector	measures and displays actual modulation frequency
Reference	separate reference stored per wavelength
Linearity Note	mid range linearity excludes top 3 dB and bottom 10 dB of range
Fiber Core Class	up to 1000 um core in XL uncertainty notes
Uncertainty Note	includes connector type, calibration, temperature, dynamic range, fiber type
Compared Ge	Ge is general purpose including 850 nm
Compared InGaAs	better accuracy above 1550 nm
Si Role	850 nm and industrial/visible
Display	handheld OPM LCD
Case	rugged polycarbonate drop tested
Form	handheld field/lab meter

PARAMETER	VALUE
MP Suffix	large-area Si power meter listings (KI3600XL-SI-MP)
Not KI2600XL Si	2600 series uses 5 mm Si and USB/KITS memory
Not VFL	use KI6354 for visible fault location
Wavelength Cal	non-standard cal wavelengths on request
Detector Size Option	up to about 4 mm on special XL builds Notes Specs from Kingfisher KI 3600XL series optical power meter sheet (Si detector, 350-1100 nm, 2 mm class, 1200 h, 0.01 dB, Autotest). Confirm calibration wavelengths and exact dBm window on the instrument label versus Ge/InGaAs siblings.
Fiber type	Compared Ge: Ge is general purpose including 850 nm

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.

Specifications	
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Specifications

PARAMETER	VALUE
Si Role	850 nm and industrial/visible
Display	handheld OPM LCD
Case	rugged polycarbonate drop tested

Specifications

PARAMETER	VALUE
Form	handheld field/lab meter
MP Suffix	large-area Si power meter listings (KI3600XL-SI-MP)
Not KI2600XL Si5	2600 series uses 5 mm Si and USB/KITS memory

Specifications

PARAMETER	VALUE
Not VFL	use KI6354 for visible fault location
Wavelength Cal	non-standard cal wavelengths on request
Detector Size Option	up to about 4 mm on special XL builds

Notes

Specs from Kingfisher KI 3600XL series optical power meter sheet (Si detector, 350-1100 nm, 2 mm class, 1200 h, 0.01 dB, Autotest). Confirm calibration wavelengths and exact dBm window on the instrument label versus Ge/InGaAs siblings.

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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<https://aumictechlabs.com>

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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.