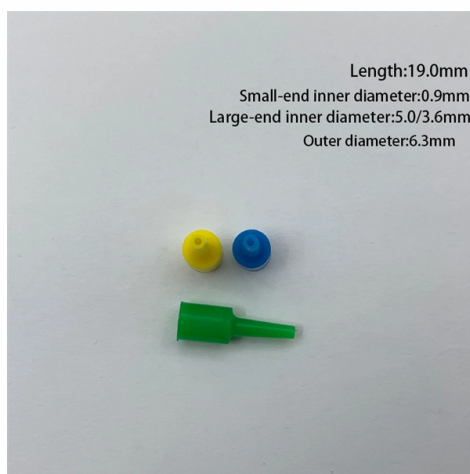


Optical Power Meter Calibration in Bosnia and Herzegovina



Overview

11 accredited calibration labs in Bosnia and Herzegovina 11 BATA-accredited ISO/IEC 17025 calibration labs in Bosnia and Herzegovina — find one to calibrate.

Key Takeaways

The Institute of Metrology of Bosnia and Herzegovina (IMBIH) provides traceable, high-precision optical power meter calibration services compliant with international standards.

Local Calibration Services

In Bosnia and Herzegovina, IMBIH serves as the national metrology institute responsible for establishing and maintaining state standards, including traceable calibration of measurement instruments such as optical power meters.

IMBI

It ensures that all calibrations are traceable to SI units and recognized internationally through the CIPM Mutual Recognition Arrangement (MRA), allowing certificates issued in BiH to be accepted globally. The institute operates laboratories for electrical quantities, time and frequency, and other metrology fields, providing calibration, testing, and reference services to industry, research, and calibration laboratories. Calibration Procedures and Standards High-precision optical power meter calibration involves comparing the device under test (DUT) to a reference standard with superior accuracy.

The process typically includes: Responsivity calibration: Measuring the DUT's response across relevant wavelengths (commonly 850, 1310, 1550 nm for telecom applications) using reference detectors such as electrically calibrated pyroelectric radiometers (ECPR) or cryogenic radiometers. Linearity and uniformity tests: Ensuring the meter's response is consistent across its measurement range and detector surface. Environmental control: Maintaining stable temperature and humidity during calibration to minimize measurement uncertainty.

Connector and fiber considerations: Calibrating with the same fiber and connector type as used in actual measurements to avoid reflection-induced errors.

IMBI

H laboratories follow ISO/IEC 17025 quality management systems, ensuring that calibration results are reliable and reproducible. They also participate in EURAMET intercomparisons to validate competencies and maintain international equivalence. International TraceabilityIMBIH's calibration services are linked to international reference standards, providing traceability to national metrology institutes such as NIST (USA), PTB (Germany), and NPL (UK).

This ensures that optical power meter calibrations performed in BiH meet global accuracy requirements, with documented uncertainties and compliance with recognized standards.

Practical Considerations

For organizations in Bosnia and Herzegovina seeking high-precision calibration: Direct IMBIH services: Contact IMBIH for calibration of optical power meters, including traceable certificates and uncertainty analysis. Subcontracting to international labs: For specialized calibration or extremely low uncertainty requirements, meters can be sent to accredited international laboratories with NIST or equivalent traceability. Routine maintenance: Regular calibration, cleaning of connectors, and verification against reference sources are essential to maintain measurement accuracy.

By using IMBIH's services, companies and research institutions in BiH can ensure high-precision, internationally recognized calibration of optical power meters, supporting telecommunications, industrial, and scientific applications.

Article Content

11 accredited calibration labs in Bosnia and Herzegovina

11 BATA-accredited ISO/IEC 17025 calibration labs in Bosnia and Herzegovina — find one to calibrate your equipment. Every listing links to the official scope document.

Electrical calibration labs in Bosnia and Herzegovina (2 accredited)

BATA-accredited electrical calibration laboratories in Bosnia and Herzegovina. Every listing links to the official scope document.

application note 015 Calibration of optical power meters

This application note demystifies how EXFO's IQS-12002 Optical Calibration System can guide you through the calibration of power meters, covering issues such as traceability and technical

Optical Calibration Laboratory | Kingfisher International

The Kingfisher traceable optical calibration laboratory is IEC / ISO17025 accredited and can calibrate optical power, loss, return loss and wavelength

BOSNIA AND HERZEGOVINA

IMBIH is responsible for the establishment of a comprehensive measuring system in Bosnia and Herzegovina with traceability to the International System of Units, SI.

Optical Power Meter Calibration | Kingfisher International

We can calibrate your free-space Optical Power Meter or Radiometer to ISO9001 or ISO/ IEC 17025. We check the cleanliness of the optical detector. If we find a performance problem with the received

JN-OP-7332025

This tender is from the country of Bosnia and Herzegovina in Europe region. The tender was published by ELEKTROPRENOS - ELEKTROPRIJENOS BIH A.D. on 06 Dec 2025 for JN-OP-733/2025 -

Laser power & energy meter calibration standards

At Gentec-EO, we work with the highest calibration standard on the market for your laser power and energy meters. Learn more about how we do that.

Meter calibration services

Whether you're targeting the Management Consultancy sector in Bosnia and Herzegovina, or expanding across regions, we provide live, accurate, and relevant updates every day.

How to Calibrate an Optical Power Meter

Learn what is the best way to calibrate an optical power meter for accurate and reliable measurements of optical signals in optical engineering applications.

Optical Power Meter Head Special Calibration

Keysight offers a number of optical power measurement solutions that use the 816xA/B family of optical mainframes as host to a number of modules. The most versatile and accurate optical power meters

Electricity Meter Calibration Services

JP ELEKTROPRIVREDA HRVATSKE ZAJEDNICE HERCEG BOSNE D.D. MOSTAR Bosnia and Herzegovina has Released a tender for Electricity Meter Calibration Services - Oj Pee in

Optical Power Meter Calibration and Repair Service

Our prices for Optical Power Meter calibration service range from: \$95.00 to \$750.00
Optical Power Meters contain both an optical power sensor and an indicator. The optical power sensor

Professional Optical Power Meter Calibration Services: Ensuring ...

Expert calibration services for optical power meters, offering high-precision measurement accuracy, comprehensive quality assurance, and enhanced operational efficiency for fiber optic applications.

Optical Power Meter 0.7 % Accuracy | Kingfisher International

Kingfisher International is pleased to announce our improved capability for traceable optical power meter calibration. Externally accredited to ISO17025, our Optical Calibration Laboratory can now calibrate

How to Calibrate Fiber Optic Testing and Measurement Equipment

Learn the steps to calibrate four common fiber optic devices: power meters, light sources, OTDRs, and OSAs. Find out what reference equipment you need and how to adjust your settings.

How to calibrate optical power meter?

Calibration: Tools and Methods A few common methods and tools that are used by people on calibrating optical power meters. Here are some that are used the most:
Calibration

Optical power meter

Power meters are calibrated using a traceable calibration standard. A traditional optical power meter responds to a broad spectrum of light, however, the calibration is wavelength dependent. This is not

Contact Us

Continue your research online:

Website: <https://artduferoger.fr>

Technical inquiry: <https://artduferoger.fr/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

