

Calibration of Optical Communication Test Instruments in Canada



Overview

Instrument calibration and measurement services Learn about the NRC's instrument calibration and measurement services — the highest standard of calibration.

Key Takeaways

Canada offers multiple accredited laboratories for optical communication tester calibration, including Pylon Electronics, Simbol, Wescan, and the National Research Council, all providing ISO/IEC 17025 traceable services.

Key Calibration Providers

Pylon Electronics operates six laboratories across Canada (Calgary, Edmonton, Vancouver, Toronto, Ottawa, Dartmouth) and offers calibration and repair for fiber optic and test equipment. Their services include calibration certificates, traceable standards, and on-site solutions, ensuring compliance with ISO/IEC 17025 and manufacturer specifications. Simbol specializes in fiber optic test equipment calibration and repair.

They provide in-lab calibration with documented procedures, traceable standards, and premium calibration options that often exceed manufacturer specifications. Instruments are returned with calibration labels, certificates, and data, and repair services are available if calibration fails. Wescan Calibration has locations in Calgary and Vancouver, offering calibration across multiple disciplines including electronics and fiber optics.

Their laboratories are A2LA accredited to ISO/IEC 17025, and they provide mobile laboratory services, expedited turnaround, and calibration certificates traceable to NIST or NRC standards. National Research Council Canada (NRC) provides high-standard optical frequency and wavelength calibration for lasers and optical instruments, including helium-neon lasers and telecom wavelengths.

NR

C services are traceable to national standards and suitable for high-precision applications.

Services and Standards

Calibration Certificates: All major providers issue certificates showing traceability to NIST or NRC standards. ISO/IEC 17025 Accreditation: Ensures calibration meets international quality standards. Equipment Types: Optical power meters, spectrum analyzers, tunable lasers, attenuators, backreflection meters, fusion splicers, and multi-wavelength meters.

Turnaround Options: Standard, expedited, and premium calibrations are available, with some providers offering on-site or mobile lab services. Repair Services: Many labs also provide repair and functional testing to restore instruments to manufacturer specifications. Choosing a Provider When selecting a calibration service in Canada, consider: Accreditation: ISO/IEC 17025 ensures traceable and reliable calibration.

Location: Choose a lab near your facility for faster turnaround or on-site service. Documentation: Ensure calibration certificates and data meet your compliance requirements. Specialization: For optical communication testers, select labs experienced in fiber optic instruments.

Contact Information Examples

Pylon Electronics Calgary: 2228 Pegasus Way, Calgary, AB, 403-250-9811 Simbol Gatineau, QC: 616 Rue Auguste-Mondoux, 1-866-396-6248 Wescan Calgary: 2228 Pegasus Way, Calgary, AB, 403-250-9811 NRC Canada: Ottawa, ON, consult NRC website for optical calibration services These providers ensure that optical communication testers are calibrated accurately, traceably, and in compliance with international standards, supporting reliable measurements in telecommunications, research, and industrial applications.

Article Content

Instrument calibration and measurement services

Learn about the NRC's instrument calibration and measurement services — the highest standard of calibration and measurement available in Canada. Calibration and measurement for microphones,

Simbol Test Systems Inc.

Our customers in the telecom industry as well as those in the educational sectors are more than satisfied with the premium calibrations and high quality repairs that we have provided them for every

Certification & Calibration Services | Pylon Electronics

At Pylon Electronics, we calibrate and repair equipment and instruments from all manufacturers, using standardized and custom calibration procedures to meet your needs.

Fiber Optic & Test Equipment Calibration Services | Simbol

Simbol offers professional in-lab calibration services for a wide range of fiber optic and test equipment, supported by documented procedures, traceable standards, and experienced technical staff.

Instrument Calibration Services | CALibration TEChnologies Ltd.

Contact our knowledgeable team with any questions about our service, calibration standards, or to arrange for prompt calibrating or repair of your important equipment.

Calibration services

Services are available to public and private organizations and individuals. The calibrations services listed check or characterize particular instruments, devices, and sets of

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We believe in the power of science to transform our world. Together with scientists and operators worldwide, we empower progress by providing trusted insights and services that accelerate work and

Optical Fiber Equipment Repair & Calibration Services

Specialized optical fiber equipment repair and calibration lab serving test equipment vendors and end users globally, extending product life.

Instrument calibration and measurement services

Instrument calibration and measurement services Important Please note our prices are subject to change. Learn about the NRC's instrument calibration and measurement services — the highest

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Certification & Calibration Services | Pylon Electronics

We are the largest Canadian owned calibration laboratory. Specializing in certification & calibration services of test & measurement instruments.

Simbol Test Systems Inc.

Simbol has a full team of qualified technicians and performs repair work for most optical telecom components companies worldwide and many large telecom transport equipment manufacturers.

WebProcure

WebProcure offers best-in-class functionality, reaching end-to-end from requester to procurement buyer to merchant, and all the way back! Designed specifically for the public sector.

Repair & Calibration Services

□□ Repair & Calibration Services At Duncan Instruments, we calibrate and service thousands of instruments every year for technicians, utilities, and industrial clients across Canada. Whether it's a

Instrument Calibration & Certification Services | BHD – JM Test Systems

Get precise, ISO-certified calibration services for industrial instruments. We issue calibration certificates and ensure full compliance for audits across Canada.

Calibration of Fiber Optic Instruments

Calibration means that an instrument has been tested against a standard and set up to make measurements traceable to that standard. Within the limits of instrument and measurement

Fiber Optic Calibration Services

Delivering Crystal-Clear Connectivity Tektronix state-of-the-art calibration laboratory offers a comprehensive range of services for fiber optic test and measurement equipment. Whether you're

Calibration Services, Repairs and Measurement Instrument Sales to

Calibration Services, Repairs and Measurement Instrument Sales to Keep you Running at Optimum Efficiency Calibration Technologies Ltd. is one of the most customer service focused calibration

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

