

Upgraded Canadian Benchtop Insertion Loss Analyzer Available Now



AI Overview

The Santec RLM-110 is the newly upgraded Canadian benchtop insertion loss and return loss analyzer, now available for single-mode fiber testing. Santec RLM-110 Overview Santec Canada Corporation has released the RLM-110, an enhanced version of its RLM-100 meter, designed for rapid and accurate insertion loss (IL) and return loss (RL) measurements. Key features include: Ultra-fast mode for both single-mode (SM) and multimode (MM) fibers, operating three times faster than comparable alternatives. Measures 12-fiber cable assemblies at two wavelengths in under 20 seconds. Standard mode offers high accuracy, with SM RL measurement capability up to 85 dB. Supports testing of MPO or duplex LC assemblies in a single step without disconnecting devices. Optional remote-head integrating sphere and polarity detector for complete multifiber test stations. Single-mode version available now, multimode variant expected in the coming months. This analyzer is ideal for high-volume testing environments where speed and precision are critical, such as R&D labs, production lines, and quality assurance for fiber-optic assemblies.

Other Canadian Benchtop Options

- JGR Optics MS12001: Offers mandrel-free insertion loss and reflectance measurement for both cable assemblies and components, with ISO17025:2005 and NIST-traceable calibration. It supports single-mode and multimode fibers and includes remote-head polarity detection for multifiber assemblies.
- Viavi mORL-A1/mIL-A2 MAP Series: Modular IL/RL meters compatible with MAP-300 platforms, supporting single-mode and multimode fibers, automated bidirectional testing, and multi-wavelength measurements.
- TechOptics OP940: Provides IL and RL testing with a color LCD, optical reflectance scan mode, and programmable pass/fail criteria, suitable for single-mode, multimode, and FTTX applications.

Choosing the Right Analyzer When...

Article Content

OP940 Insertion and Return Loss Meter

The OP940 system is an insertion loss (IL) and return loss (RL) meter that features a colour LCD screen, an optical reflectance scan mode, programmable pass/fail

Gowe 1310/1550nm Optical Return Loss Test Benchtop Insertion

Gowe 1310/1550nm Optical Return Loss Test Benchtop Insertion Loss& Return Loss Test Station

RFI Power Inlet Filter Insertion Loss Measurement

1 Executive Summary This application note describes how to measure the common mode and the differential mode insertion loss of an RFI1 or EMI2 power inlet filter using the Bode 100 vector

Insertion Loss And Return Loss Analyzer Market|Top Companies-2026

Choosing the right insertion loss and return loss analyzer is critical for telecom, aerospace, and electronics industries. These tools ensure signal integrity, optimize performance, and reduce

Insertion Loss And Return Loss Analyzer Market Size By Type

The Insertion Loss and Return Loss Analyzer Market is experiencing significant growth driven by the increasing demand for high-precision optical and RF testing equipment across various industries.

PCB insertion loss test system

Atlas Si is a precision insertion loss measurement package designed specifically for PCB fabricators and OEMs. It provides accurate, repeatable measurements of frequency based transmission line losses,

Insertion Loss & Return Loss Meter

Insertion Loss & Return Loss Meter The OP940 system is an insertion loss (IL) and return loss (RL) meter that features a color LCD screen, an optical reflectance scan mode, programmable pass/fail

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Maintaining the same high level of accuracy as other premium testing solutions, this upgraded model operates three times faster than comparable alternatives. It measures insertion loss

RETURN LOSS & INSERTION LOSS Meters Testing

In telecommunications, insertion loss refers to the loss of signal power, calculated as a ratio in dB (decibel), resulting from inserting a device in a transmission line or optical fiber.

PCB INSERTION LOSS MEASUREMENT SYSTEM

The ATLAS VNA Insertion Loss Measurement System The ATLAS VNA Insertion Loss Measurement System is designed to assist PCB fabricators in the accurate and repeatable measurement of

JW8307AL No-mandrel Insertion loss & return loss tester

JW8307AL series of No-mandrel Insertion loss & return loss tester is a classic and updated version of JW8307 No-mandrel return loss tester. The new design is

Worldwide Insertion Loss and Return Loss Analyzer Market 2026

Worldwide Insertion Loss and Return Loss Analyzer Market 2026 Global Insertion Loss and Return Loss Analyzer Market Size, Share & Industry Analysis, By Type (Benchtop IL/RL

A New Calibration Method for Achieving High Insertion-Loss

We present a new calibration method for achieving high insertion-loss measurements with a vector network analyzer (VNA). The method requires a characterized attenuator and other additional

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Ottawa, Canada – May 1, 2026 – Santec Canada Corporation is excited to introduce the improved Return Loss Meter (RLM-110). Building on the proven performance of the RLM-100, the RLM-110

A method for improving high-insertion-loss measurements with a

We present a method for improving high-insertion-loss measurements with a calibrated vector network analyzer (VNA) requiring only two additional pieces of hardware. By utilizing an amplifier and an

How do I measure insertion loss using my vector

Lower insertion loss values indicate better device performance, as the device minimally affects the signal amplitude. Note that your best

MPO Bench-top Insertion Loss and Return Loss Tester

Bench-top Insertion Loss and Return Loss Tester IL/RL Tester for Multi-mode Fiber 850/1300nm (MPO/MTP) mandrel free insertion loss test station is specially

JGR Optics Inc

JGR's MS12001 system provides the most accurate mandrel-free insertion loss and reflectance measurement in the industry for both, cable assemblies and components.

RETURN LOSS & INSERTION LOSS Meters Testing

Mefiberoptic offers a range of return loss and insertion loss test equipment in single channel, multichannel and bi-directional configurations To Check the finished patch cable insertion loss and

Insertion Loss Meter (ILM-100) | Santec Holdings

The ILM-100 was designed to measure insertion loss on fiber optic components quickly and accurately.

Contact Us

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