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TECHNOLOGY GROUP

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Full-service, independent repair center
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Custom engineering
so your equipment works exactly as you specify.

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Products

New Products
- TFM150
- RLM10
- RLM20

High Resolution Optical Time Domain Reflectometers (OTDRs)
- OFM 130
- OFM 1020
- OFM 20

Modular Sources and Detectors

Mainframes (power supply and housing)
- MF03
- MF20

Short Pulsed Sources
- PPL1M Series
- PPL30K Series

High Speed Detectors
- PPD Series
- PAD Series

Stand Alone High Speed Detectors
- PD Series
- AD Series

Products

THE RLM10 RETURN LOSS METER

For 1300 nm and 1550 nm Operation



The Opto-Electronics model RLM10 is designed to measure Return Loss and Insertion Loss of single mode fiber optical components such as fiber cable and patch cords as well as passive components such as isolators, switches attenuators etc.

The RLM10 is well suited to a manufacturing environment; it measures both the Return Loss and Insertion Loss of a DUT at 1300 nm and 1550 nm in less than 10 seconds. Values of Return Loss as high as 80 dB can be measured with an accuracy of better than ±1 dB, and Insertion Loss is measured to within ±0.02 dB.

The RLM10 is designed to measure Return Loss for devices under test which lie in the range of 1.2 to 10 meters from the instrument output connector; the result is independent of reflections from other in-line connectors.

The measured values of the Return Loss and Insertion Loss at the two wavelengths can be read directly from the LCD screen. Alternatively, the instrument can be fully controlled through the GPIB interface provided.

PRELIMINARY SPECIFICATIONS

WAVELENGTH ..... Standard operation is at both 1300 nm and 1550 nm

RETURN LOSS:
High Sensitivity Range ..... 60 to 80 dB
Low Sensitivity Range ..... 45 to 65 dB
Accuracy ..... ± 1 dB

INSERTION LOSS
Dynamic Range ..... 0 to 60 dB
Accuracy ..... ± 0.03 dB

CALIBRATION ..... An internal Reference is provided for Return Loss

DISTANCE ..... Device under test can be as little as 1.2 meters from the RLM10 output connector.
Maximum distance is 10 m. The length of an input reference cable can be entered on the front panel

ORDERING and SHIPPING INFORMATION

Standard models: RLM10
Included Items: Operating Manual, An adaptor Cable.
Delivery: 14 to 16 weeks ARO.
Shipping weight: Approximately 15 lbs (7 kg).

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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