

VIAVI

SmartClass Fiber ORL-85

Inspection-Ready Optical Return Loss Meters

The SmartClass™ Fiber ORL-85 combines fiber inspection, optical power meter (OPM), light source (OLS), and continuous wave return loss meter (OCWR) in one versatile test instrument. The compact instrument is ideal for measuring optical return loss and inspecting fiber connector end faces to verify optical connection quality.

Optical systems with high-speed lasers, analog transmission (CATV), or Raman amplifiers require high return loss for maximum performance. Furthermore, optical return loss measurements can be used to prove that an installation was completed carefully and accurately; for example, they can show that the optical connectors were inspected and are clean. The ultra-sensitive power meter combined with stabilized light sources enable up to a 70 dB measurement range. The angled single-mode test port (APC) guarantees highly accurate return loss measurements without requiring external termination for up to 50 dB return loss measurements.



The ORL-85 is compatible with the P5000i digital analysis microscope for checking fiber end-face quality and getting pass/fail acceptance results at the push of a button.

Threshold settings for pass/fail indications and the intuitive touch screen user interface transforms users into instant fiber experts without the need for special training. Automatic functions, such as Auto-λ and real-time Multi-λ functionalities avoid handling errors and speed up test time significantly. The ORL-85 is fully compatible with other members of the SmartClass Fiber family (OLS, OLP, and OLT) with these automatic functions.

Users can easily save test results (power, return loss, and fiber inspection) with real-time stamp to generate certification reports. Test results can be easily uploaded to a PC for post-processing with FiberChekPRO™ PC software.

The ORL-85 optical return loss meters can be used anywhere today's fiber technicians go, up poles or down holes. Technicians gain ultimate flexibility and performance from this powerful easy-to-use solution that can instantly transform any technician into a fiber expert.

Benefits

- Complete jobs faster, correctly, and on time—the first time—with a uniquely integrated fiber inspection microscope, optical power meter, optical light source, and optical return loss meter
- Battery-operated, field-portable instrument provides a full day of autonomy
- Data transfer and remote control via USB, Ethernet or optional WiFi connection
- Shielded housing for extreme accuracy in RF environments
- Rugged, weather-proof design for outdoor use

Features

- Real-time simultaneous return loss measurements at multiple wavelengths
- Automated pass/fail fiber inspection analysis with optional P5000i microscope
- Onboard fiber inspection and test results storage with time stamp
- 70 dB high precision return loss meter
- 3.5" color touch screen with integrated stylus
- In-service loss test option

VIAVI Care Support Plans

Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Plan availability depends on product and region. Not all plans are available for each product or in every region.

To find out which VIAVI Care Support Plan options are available for this product in your region, contact your local representative or visit: viavisolutions.com/viavicareplan

Features

*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓

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