FIS OV350 MPO TEST SET

Please visit our online portal for manuals, training and other useful information

FEATURES

- Available in Dual 1310/1550nm or 850/1300nm
- Measures ORL (Optical Return Loss)
- MPO Connector Video Scope Inspection System
- VFL operates in Manual or Sequential cycle modes
- Comfortable hand-held design
- Can store up to 1,000 test results
- Test results transferable to PC reporting software
- Customizable pass/fail thresholds
- (2) Type A reference cords with mating sleeves included
- Light Source can be operated in a variety of sequences: Auto cycle, Manual cycle, or Sequential cycle
- Rugged case design
- Optional gender change tool available

The FIS OV35Ø multi-fiber MPO Loss Test Set, which is available in Singlemode or Multimode configurations, is a two-piece kit that contains a power meter and light source designed to test and certify MPO-style assemblies quickly and easily. This standard set will provide the user with instantaneous network attenuation readings over all 12 fibers, and has the ability to verify A, B, C, and 4Ø-Gig polarities. The light source can emit optical signals at a constant rate or with various modulated tones for fiber identification. It can be set to any channel or scan all channels at both wavelengths automatically. These units will work in virtually any MPO application, contact FIS for custom multi-fiber configurations.

A new ORL Optical Return Loss feature provides both 1310nm and 155Ønm measurements automatically on Singlemode networks. Also included is the multi-fiber VFL Visual Fault Locator feature for automatic 12 fiber visual analysis. Both the Light Source and Power Meter can be configured with the optional VIS3ØØ Video Inspection probe and MPO adaptors to scan connector images, mark defective connections, and save image files for display on your PC with the included FIS Connect software application.

The power meter allows the user to set defined attenuation thresholds and will display a FAIL if any of the 12 fibers exceed the threshold. If all fibers are under the threshold, a PASS will be displayed. The units can also store up to 1,ØØØ test results of multi-fiber ORL or Insertion Loss measurements that can then be transferred to the FIS Connect PC reporting software via the USB cables included with the test set.

SPECIFICATIONS

Light Source

Lasers	Multimode: 850 nm / 1300nm Singlemode: 1310 nm / 1550 nm
Output Power	-5dBm typical
Modulation Modes	Continuous Wave; 270Hz, 1 KHz, 2KHz

Optical Return Loss Specs (ORL)

ORL Dynamic Range	0-55dB
ORL Wavelengths	1310nm / 1550nm
ORL Accuracy	+/- 1dB @ -40dB Reflections
Resolution	0.01dB

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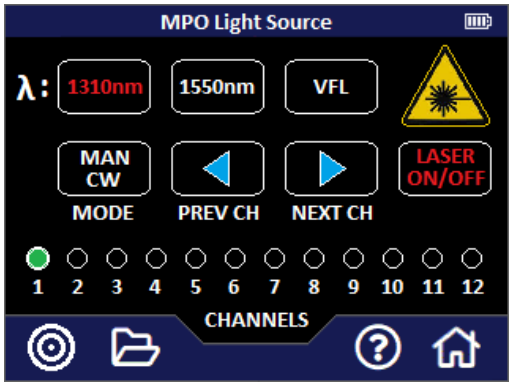
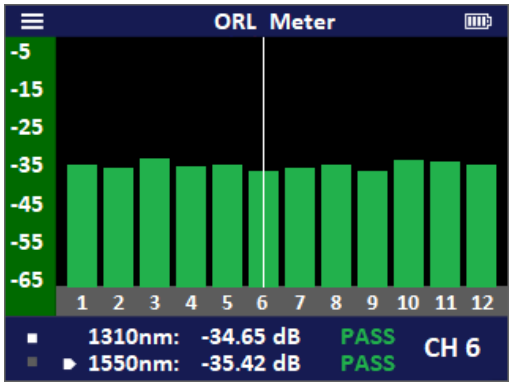
Power Meter

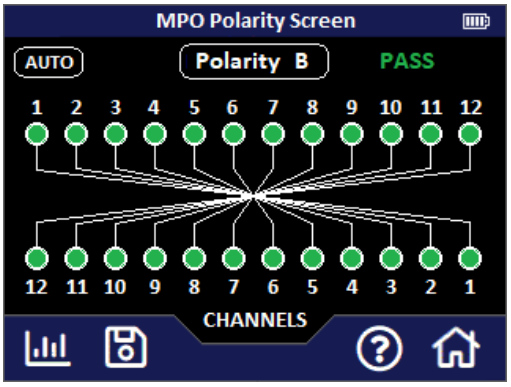
Unit of Measurement	Power/Insertion Loss dBm/dB
Detector Type	12 InGaAs Photodiodes (λ ; range 800nm to 1700nm)
Calibrated Wavelengths	850nm MM Version 1300nm MM Version 1310nm SM Version 1550nm SM Version
Dynamic Range	+5.0 dBm to -50dBm
Resolution	0.01dB
Accuracy	+/-0.2dB
Polarity Detection	A, B, C & 40G
Test Storage Locations	1,000
Data Transfer	USB Serial Cable (via USB C)
Optical Connector	Multimode - MPO male UPC (compatible with 62.5um and 50um) Singlemode - MPO male APC (compatible with 9um) (Both SM and MM units have self closing bulkhead)

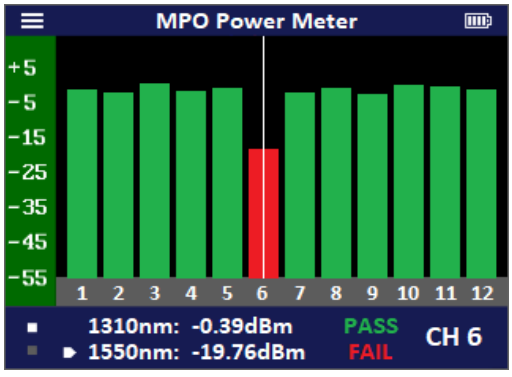
VFL SPECIFICATIONS

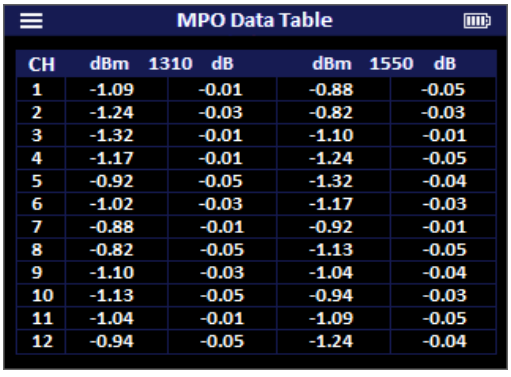
Emitter Type	Laser
Wavelength	650nm +/- 5nm
Laser Safety Class	Class IIFDA21 CRR1040.11 IEC 825-1; 1993
Connector Type	Light Source: MPO Power Meter: 2.5mm Universal
Output Power	1mW Max.











CH	dBm	1310	dB	dBm	1550	dB
1	-1.09		-0.01	-0.88		-0.05
2	-1.24		-0.03	-0.82		-0.03
3	-1.32		-0.01	-1.10		-0.01
4	-1.17		-0.01	-1.24		-0.05
5	-0.92		-0.05	-1.32		-0.04
6	-1.02		-0.03	-1.17		-0.03
7	-0.88		-0.01	-0.92		-0.01
8	-0.82		-0.05	-1.13		-0.05
9	-1.10		-0.03	-1.04		-0.04
10	-1.13		-0.05	-0.94		-0.03
11	-1.04		-0.01	-1.09		-0.05
12	-0.94		-0.05	-1.24		-0.04

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UNIT SPECIFICATIONS

Display	4 inch Color TFT
Dimensions	5.25" H x 6.125" W x 2.5" D (133mm H x 156mm W x 64mm D)v
Weight	1.5 lbs (0.7 kg)
Battery	Li-pol, 10hr typ.
Power Requirement	USB 5V, 2A
Operating Temperature	-10°C to + 40°C
Storage Temperature	-20°C to + 60°C
Accessories Included	5V, 3.4A USB Wall Charger with USB Cable, 2 Stylus, FIS Connect PC Software, Manual

ORDER INFORMATION

All Test Sets include Power meter, light source, two type "A" reference cords, mating sleeves, and PC reporting software and carrying case

OV3508513MPOK	FIS MPO 12 Multi-Fiber Test Set (MM Power Meter with 850/1300nm Source)
OV3501315MPOK	FIS MPO 12 Multi-Fiber Test Set (SM Power Meter with 1310/1550nm Source)
OV3508513MPOLS	FIS MPO Multimode Light Source 850/1300nm
OV3501315MPOLS	FIS MPO Singlemode Light Source 1310/1550nm
OV3508513MPOPM	FIS MPO Multimode Power Meter
OV3501315MPOPM	FIS MPO Singlemode Power Meter

* Call and speak with a FIS Representative to inquire about 16 or 24 fiber options.

ACCESSORIES

F1EFRC-OM3	OM3 Encircled Flux Reference Cord
18814	MTP Pro Field Tool - Gender Changing Tool
VIS300	Optional Inspection Probe with 2.5mm & 1.25mm Universal Inspection Tips (200x)
AC047B	MPO/APC Adapter Tip for VIS300
AC050B	MPO Straight Adapter Tip for VIS300

VIS300

F1EFRC-OM3