FIS GEMINI BIDIRECTIONAL LOSS TEST



F1BIDI1315

FEATURES

- Works in pairs for up to 40km of Singlemode fiber
- SC/APC port – Tests both 1310 & 1550nm
- Rubber casing – semi-rugged design
- Bi-directionally tests a for length, insertion loss, and optical return loss in less than 10 seconds.
- Calculates and displays bi-directional averages of insertional loss for both 1310 & 1550 wavelengths
- On-board power meter and VFL (2.5mm universal ports)
- Ability to save test results immediately as PDF reports – saves time with no post testing report work
- 4-inch touch screen; Li-ion rechargeable batteries for up to
- 8 hours of use on full charge.
- No loopback needed

The new FIS Bi-Directional loss test set is a great low-cost test set for when bi-directional testing and averaging isneeded. The Gemini Test Set, which is used as a pair of units (main & remote) is made to measure the cable length, the dB link loss and the ORL (Optical Return Loss) in both directions and then has the ability to automatically average the test data of both directions. This allows for the most complete fiber optic characterization one can achieve in Tier I testing.

By having the main and remote units connected onto the same fiber on each end, the user only needs to push one button to initiate the 10 second test. This test set can also be used as a traditional power meter and light source kit, has an on-board VFL and memory to store up to 1,000 files. With a measurement range of up to 40km, this value oriented test set is ideal for port-installation verification & troubleshooting, as well as full Tier I certification.

SPECIFICATIONS

Light Source Output Power (dBm)	-5dBm±3dB
Light Source Modulation	CW
Dynamic Range (dB)	20dB
Distance Uncertainty/Accuracy	±(1m+Sampling interval+0.005% X measuring range)
ORL Measurement Range	50dB
Loss Resolution	0.01dB
Power Meter Measurement Range	10~ -70dBm
Testing Distance	5m~40km
Battery	4000mAh
Operating Temperature	-10°C~50°C
Relative Humidity	0~95% (non-condensation)
Dimension	190x90x45mm
Weight	450g

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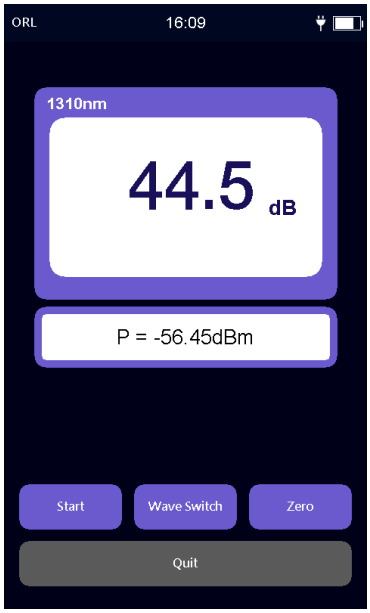
VARIOUS FEATURES



Bi-Directional Cable Test



Power Meter Screen



ORL Meter Screen

OLTS Report

File: eval_3.pdf

Print Date: 2000-01-22 08:52:46

Test Equipment

Cable Id : 001
Location A : UTASYR
Job Id : FIS
Operator :

FiberID : 001
Location B : SYRUTA
Company Name : FISSALES

P/F Thresholds	dB Loss	ORL(Return Loss)
1310nm	4.1 dB	>30 dB
1550nm	4.2 dB	>30 dB
1625nm	N/A	N/A

PASS

Length	Wavelength	Loss A->B(dB)	Loss B->A(dB)	Avg Loss(dB)	ORL A(dB)	ORL B(dB)
4.03km	1310nm	2.3	2.5	2.4	30	35
	1550nm	1.7	1.6	1.7	37	36

Sample Report - PDF