

Advanced Source & Meter ILM-1 £708 - present results faster



Loss Test Report

Test Reference	NOA15002
Cable ID	N2145
Test Location A	Manchester NOC
Test Location B	Bolton NOC
Test Engineer	R. Stephen
Date	15/08/2014

Equipment Used	Serial No	Cal Due date
FHP2A04	80021483	12/08/2014
FHS2D02	970012198	12/08/2014

Ref A to B (dBm)					Ref B to A (dBm)				
1310					1550				
-7.50					-8.10				
Reading A to B (dBm)					Loss A to B (dB)				
(+Ref - Reading)					(+Ref - Reading)				
Fibre No	1310	1550	1310	1550	Fibre No	1310	1550	1310	1550
1	-10.40	-8.30	2.90	1.50	1	-9.90	-7.80	2.70	1.70
2	-10.80	-8.10	3.30	1.30	2	-10.30	-7.90	3.10	1.80
3	-10.60	-7.90	3.10	1.10	3	-10.80	-7.70	3.60	1.60
4	-10.40	-7.30	2.90	0.50	4	-10.60	-8.30	3.40	2.20
5	-10.40	-7.90	2.90	1.10	5	-10.40	-7.70	3.20	1.60
6	-10.30	-7.30	2.80	0.50	6	-10.40	-8.30	3.20	2.20
7	-10.80	-7.70	3.30	0.90	7	-10.20	-7.90	3.00	1.80
8	-10.80	-8.30	3.30	1.50	8	-10.60	-7.30	3.40	1.20
9	-10.60	-8.30	3.10	1.50	9	-10.40	-7.90	3.20	1.80
10	-10.40	-8.10	2.90	1.30	10	-10.40	-7.30	3.20	1.20
11	-10.80	-7.90	3.30	1.10	11	-10.30	-7.70	3.10	1.60
12	-10.60	-7.30	3.10	0.50	12	-10.80	-8.30	3.60	2.20
13	-10.40	-8.30	2.90	1.50	13	-10.80	-8.30	3.60	2.20
14	-10.40	-8.10	2.90	1.30	14	-10.60	-7.90	3.40	1.80
15	-10.30	-7.90	2.80	1.10	15	-10.40	-7.30	3.20	1.20
16	-10.40	-7.30	2.90	0.50	16	-10.80	-8.30	3.60	2.20
17	-10.40	-7.70	2.90	0.90	17	-10.60	-8.10	3.40	2.00
18	-10.40	-8.30	2.90	1.50	18	-10.40	-7.90	3.20	1.60
19	-10.30	-8.30	2.80	1.50	19	-10.40	-7.30	3.20	1.20
20	-10.80	-8.10	3.30	1.30	20	-10.20	-7.70	3.00	1.60
21	-10.60	-7.90	3.10	1.10	21	-10.60	-8.30	3.40	2.20
22	-10.40	-7.30	2.90	0.50	22	-10.40	-8.30	3.20	2.20
23	-10.50	-7.80	3.00	1.00	23	-10.40	-8.20	3.20	2.10
24	-10.70	-8.10	3.20	1.30	24	-10.30	-8.10	3.10	2.00

If you are tired of handwriting test reports then the ILM-1 package is what you need.

The ILM-1 test set has built in data storage and you can easily download results to a PC and import them to a Loss Test Report that automatically calculates the loss of the cable and produces a **Professional PDF in just 4 minutes** saving 26 minutes per report.

A bi-directional, 2 wavelength **report done by hand takes 30 minutes.**

In addition, the ILM-1 meter detects the wavelength of the source and matches to it so that wavelength errors are eliminated and a fibre link can be tested quickly and reliably without the need for constant communication between the operators. You can then avoid the errors made when the source is at 1310nm and the meter is set to 1550nm.

You also come prepared to handle a range of connectors as ST, SC and FC adapters come as standard for both the source and the meter at no extra charge.

The ILM-1 comes in 6 versions depending on the source and meter combination

	Standard Meter	High Power Meter
Sources	FHP2A04 +10 to -70dBm	FHP2B04 +26 to -50dBm
FHS2D02 (1310/1550)	ILM1-A42	ILM1-B42
FHS2D03 (850/1300)	ILM1-A43	ILM1-B43
FHS2Q01F (850/1300/1310/1550)	ILM1-A41	ILM1-B41

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Source: 3 options - 850/1300 or 1310/1550nm or for an extra £160 you can select a 850/1300/1310/1550 Quad source

**Meter: 2 options - dynamic range of +10 to -70dBm or +26 to -50dBm
Standard wavelength set is 850/1300/1310/1490/1550/1625nm includes 1490 for GPON and 1625 for supervisory channel testing**

A range of other features completes this comprehensive test solution.

- **Auto Power Off**
- **Superb Backlit Display**
- **Reference Value Storage**
- **Includes SC,FC and ST adapters as standard**
- **Wavelength Recognition**
- **Tone Detection**
- **Data Storage**
- **USB Interface**
- **Rechargeable Battery**
- **Includes Charger and Carry Pouch.**
- **Small size: 160L*76W*45H**
- **Weight: 2 x 270g**
- **Comes with USB download software and Loss Test Report Generation software**

Call or Email Now:

Opticus

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Advanced Source & Meter ILM-1 £708 - Example Test Report



Download data from the power meter to spreadsheet then import it to the Loss Test Report Software

Loss Test Report



Test Reference	R0A15002
Cable ID	N2145
Test Location A	Manchester NOC
Test Location B	Bolton NOC
Test Engineer	R.Stephen
Date	15/08/2014

Equipment Used	Serial No	Cal Due date
FHP2A04	60021483	12/08/2014
FHS2D02	970012198	12/08/2014

Ref A to B (dBm)					Ref B to A (dBm)						
		1310	1550			1310	1550				
		-7.50	-6.80			-7.20	-6.10				
Reading A to B (dBm)				Loss A to B (dB) (=Ref-Reading)		Reading B to A (dBm)				Loss B to A (dB) (=Ref-Reading)	
Fibre No	1310	1550	1310	1550	Fibre No	1310	1550	1310	1550		
1	-10.40	-8.30	2.90	1.50	1	-9.90	-7.80	2.70	1.70		
2	-10.80	-8.10	3.30	1.30	2	-10.30	-7.90	3.10	1.80		
3	-10.60	-7.90	3.10	1.10	3	-10.80	-7.70	3.60	1.60		
4	-10.40	-7.30	2.90	0.50	4	-10.60	-8.30	3.40	2.20		
5	-10.40	-7.90	2.90	1.10	5	-10.40	-7.70	3.20	1.60		
6	-10.30	-7.30	2.80	0.50	6	-10.40	-8.30	3.20	2.20		
7	-10.80	-7.70	3.30	0.90	7	-10.20	-7.90	3.00	1.80		
8	-10.80	-8.30	3.30	1.50	8	-10.60	-7.30	3.40	1.20		
9	-10.60	-8.30	3.10	1.50	9	-10.40	-7.90	3.20	1.80		
10	-10.40	-8.10	2.90	1.30	10	-10.40	-7.30	3.20	1.20		
11	-10.80	-7.90	3.30	1.10	11	-10.30	-7.70	3.10	1.60		
12	-10.60	-7.30	3.10	0.50	12	-10.80	-8.30	3.60	2.20		
13	-10.40	-8.30	2.90	1.50	13	-10.80	-8.30	3.60	2.20		
14	-10.40	-8.10	2.90	1.30	14	-10.60	-7.90	3.40	1.80		
15	-10.30	-7.90	2.80	1.10	15	-10.40	-7.30	3.20	1.20		
16	-10.40	-7.30	2.90	0.50	16	-10.80	-8.30	3.60	2.20		
17	-10.40	-7.70	2.90	0.90	17	-10.60	-8.10	3.40	2.00		
18	-10.40	-8.30	2.90	1.50	18	-10.40	-7.90	3.20	1.80		
19	-10.30	-8.30	2.80	1.50	19	-10.40	-7.30	3.20	1.20		
20	-10.80	-8.10	3.30	1.30	20	-10.20	-7.70	3.00	1.60		
21	-10.60	-7.90	3.10	1.10	21	-10.60	-8.30	3.40	2.20		
22	-10.40	-7.30	2.90	0.50	22	-10.40	-8.30	3.20	2.20		
23	-10.50	-7.80	3.00	1.00	23	-10.40	-8.20	3.20	2.10		
24	-10.70	-8.10	3.20	1.30	24	-10.30	-8.10	3.10	2.00		