

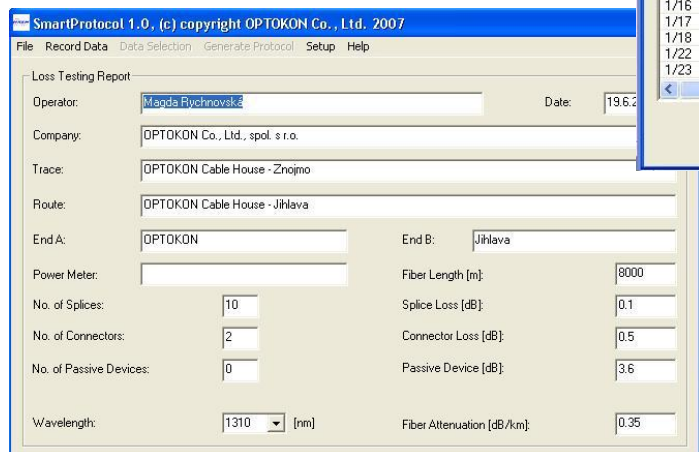
SmartProtocol PC Software

Description:

The SmartProtocol software is a flexible solution for data capture, analysis and reporting of fiber optic loss. It is optimized for OPTOKON optical testers: PM-800, PM-212, PM-830 and OFT-820.

Features:

- Data recording from internal memory (for example PM-800 Power Meter) or TXT file
- Creating of Test protocols from recorded data
- Recording Instrument serial numbers
- Reports can be imported or saved in TXT format for compatibility with other applications (Word, Excel).
- Pass / Fail assessment
- High productivity
- Easy language or report customization
- Detailed heading
- Simply operating and editing of protocols



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File Record Data Data Selection Generate Protocol Setup Help

Loss Testing Report

Operator: Magda Rychnovská Date: 19.6.2007

Company: OPTOKON Co., Ltd., spol. s r.o.

Trace: OPTOKON Cable House - Znojmo

Route: OPTOKON Cable House - Jihlava

End A: OPTOKON End B: Jihlava

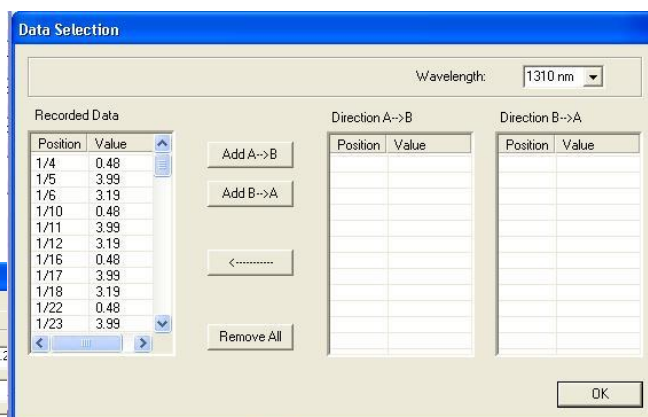
Power Meter: Fiber Length [m]: 8000

No. of Splices: 10 Splice Loss [dB]: 0.1

No. of Connectors: 2 Connector Loss [dB]: 0.5

No. of Passive Devices: 0 Passive Device [dB]: 3.6

Wavelength: 1310 [nm] Fiber Attenuation [dB/km]: 0.35



Data Selection

Wavelength: 1310 nm

Recorded Data

Position	Value
1/4	0.48
1/5	3.99
1/6	3.19
1/10	0.48
1/11	3.99
1/12	3.19
1/16	0.48
1/17	3.99
1/18	3.19
1/22	0.48
1/23	3.99

Add A->B Add B->A

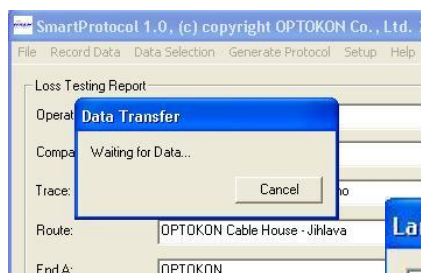
Direction A->B

Position	Value

Direction B->A

Position	Value

Remove All OK



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Wavelength: 1310 [nm] Fiber Attenuation [dB/km]: 0.35

Data Transfer

Waiting for Data...

Cancel



Language Selection

english.lng

czech.lng

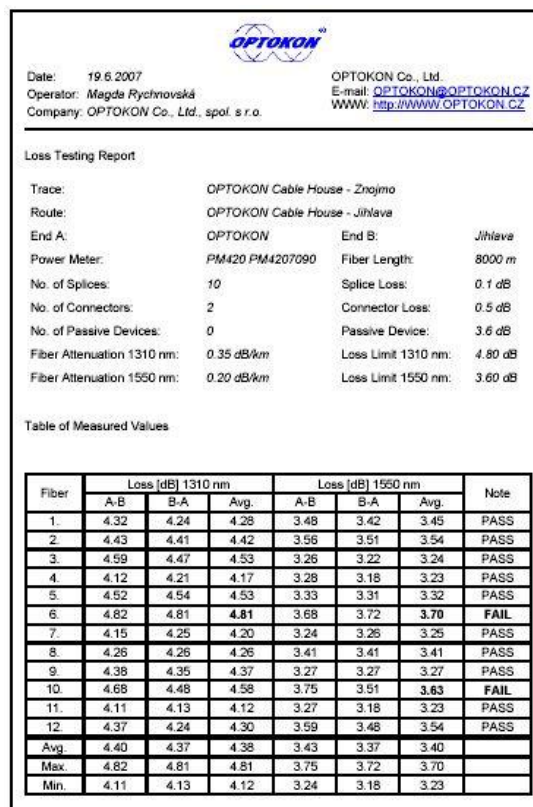
english.lng

polish.lng

russian.lng

Application:

- Optical networks measurements
- Creating test protocols
- Downloading data from Power meter



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Loss Testing Report

Date: 19.6.2007

Operator: Magda Rychnovská

Company: OPTOKON Co., Ltd., spol. s r.o.

OPTOKON Co., Ltd.
E-mail: OPTOKON@OPTOKON.CZ
WWW: <http://WWW.OPTOKON.CZ>

Trace: OPTOKON Cable House - Znojmo

Route: OPTOKON Cable House - Jihlava

End A: OPTOKON End B: Jihlava

Power Meter: PM420 PM4207090 Fiber Length: 8000 m

No. of Splices: 10 Splice Loss: 0.1 dB

No. of Connectors: 2 Connector Loss: 0.5 dB

No. of Passive Devices: 0 Passive Device: 3.6 dB

Fiber Attenuation 1310 nm: 0.35 dB/km Loss Limit 1310 nm: 4.80 dB

Fiber Attenuation 1550 nm: 0.20 dB/km Loss Limit 1550 nm: 3.60 dB

Table of Measured Values

Fiber	Loss [dB] 1310 nm			Loss [dB] 1550 nm			Note
	A-B	B-A	Avg.	A-B	B-A	Avg.	
1.	4.32	4.24	4.28	3.48	3.42	3.45	PASS
2.	4.43	4.41	4.42	3.56	3.51	3.54	PASS
3.	4.59	4.47	4.53	3.26	3.22	3.24	PASS
4.	4.12	4.21	4.17	3.28	3.18	3.23	PASS
5.	4.52	4.54	4.53	3.33	3.31	3.32	PASS
6.	4.82	4.81	4.81	3.68	3.72	3.70	FAIL
7.	4.15	4.25	4.20	3.24	3.26	3.25	PASS
8.	4.26	4.26	4.26	3.41	3.41	3.41	PASS
9.	4.38	4.35	4.37	3.27	3.27	3.27	PASS
10.	4.68	4.48	4.58	3.75	3.51	3.63	FAIL
11.	4.11	4.13	4.12	3.27	3.18	3.23	PASS
12.	4.37	4.24	4.30	3.59	3.48	3.54	PASS
Avg.	4.40	4.37	4.38	3.43	3.37	3.40	
Max.	4.82	4.81	4.81	3.75	3.72	3.70	
Min.	4.11	4.13	4.12	3.24	3.18	3.23	