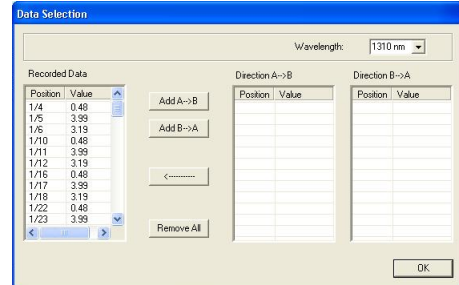
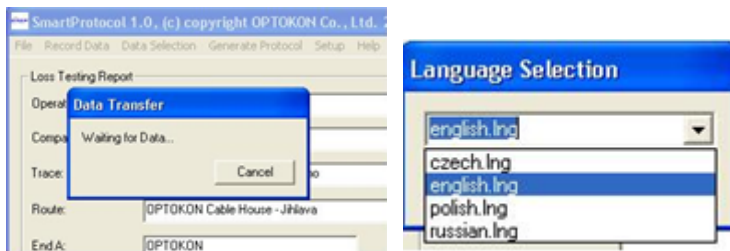


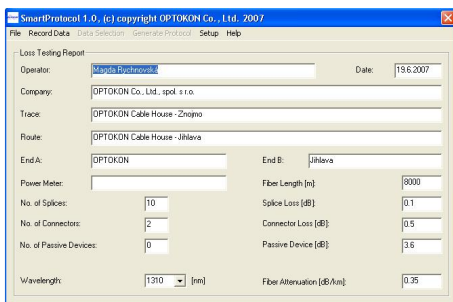
SmartProtocol PC Software

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

Application:

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



Date: 19.6.2007
Operator: Magda Rychmovská
Company: OPTOKON Co., Ltd., spol. s r.o.

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

Loss Testing Report

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	