



Easy Environmental and Shock Testing of Optical Passive Components

In many applications, measuring IL/RL over temperature or in changing conditions over time is required to understand the performance of your products. Driven by our commitment to innovation and partner collaboration, VIAVI has introduced easy-to-start, no-code, automated testing with **PCT Logging!** This innovative feature is designed to simplify and enhance your testing processes, making it easier than ever to achieve accurate and reliable measurements over extended periods.



Why PCT Logging?

PCT Logging addresses several key needs:

- **Long-term Measurements:** Ideal for customers who need to measure their Devices Under Test (DUTs) over long periods.
- **Simplified Automated Testing:** Perfect for those seeking an easy approach to automated testing under various environmental conditions or mechanical manipulations. No coding knowledge required!



Key Benefits

PCT Logging offers numerous benefits that make it a valuable addition to your testing toolkit:

- **User-Friendly Automation:** No coding background required! Generate automated measurements of your DUTs effortlessly in less than 5 clicks!
- **Flexible Measurement Options:** Choose your measurement intervals and frequency, with the ability to record up to 1000 measurements over a maximum period of 6 weeks.
- **Comprehensive Data Collection:** Measure Insertion Loss (IL), Return Loss (RL), and length of your DUTs across multiple wavelengths and channels.



Common Questions

Why does the unit keep measuring even when I don't need a measurement?

To maintain an easy-to-control workflow, the unit performs continuous measurements. You can stop the process anytime by clicking the red STOP button.

How does the PCT know when the measurement should be stored in 'Log Timing' mode?

In Log Timing mode, the PCT calculates the time since the process began and decides if enough time has passed since the last recorded cycle, ensuring accurate timing.

Can I retrieve the data from the PCT unit?

Yes, you can easily extract files from the MAP300 file manager using an internet browser like Chrome or via USB, allowing for convenient data analysis and storage.

Is there a limit to the number of channels I can measure using PCT Logging?

There is no limit to the number of channels measured using PCT Logging, only the channel limit of your system, which currently exceeds 1000 channels.

[RESULTS]							
Iteration	Time (s)	Optical Power (m)	IL(dB)	IL(dB)	RLin(dB)	RLin(dB)	
				1310	1550	1310	1550
1	12	J1: Ch.1	5.09	0.068	0.049	77.31	76.83
2	25	J1: Ch.1	5.05	0.068	0.049	77.53	76.93
3	38	J1: Ch.1	5.05	0.068	0.05	76.56	77.52
4	51	J1: Ch.1	5.01	0.067	0.049	77.79	77.13
5	64	J1: Ch.1	5.05	0.067	0.049	78.58	77.35
6	76	J1: Ch.1	5.05	0.068	0.05	77.48	77.83
7	89	J1: Ch.1	5.09	0.067	0.049	77.67	77.12
8	102	J1: Ch.1	5.05	0.067	0.049	76.71	77.3
9	115	J1: Ch.1	5.05	0.067	0.049	78.27	77.1
10	127	J1: Ch.1	5.05	0.067	0.049	77.8	79.33
11	140	J1: Ch.1	5.05	0.067	0.049	78.03	76.87
12	153	J1: Ch.1	5.05	0.067	0.049	78	77.84
13	166	J1: Ch.1	5.05	0.067	0.049	78.29	77.26
14	179	J1: Ch.1	5.05	0.067	0.049	76.95	77.35

PCT Logging is a game-changer for automated testing, offering unparalleled ease of use, flexibility, and comprehensive data collection. Explore your production and development possibilities with PCT Logging and experience the difference it can make for your projects.