



**TOP-LEVEL
"KNOW-HOW"
UNIQUE
MEASUREMENT**

PMD - unique measurement of polarization mode dispersion!

Do you want to set up high-speed transmission systems on already existing optical routes? The test results of your polarization mode dispersion optical fibres measurement or entire route do not match? Do you want to begin reparations for the entire route or replace it? With us you will find the right solution! Thanks to our service that allows a precise polarization mode dispersion measurement along the entire route, you will save time looking for defects and save money for their removal.

Services – measurement of optical networks



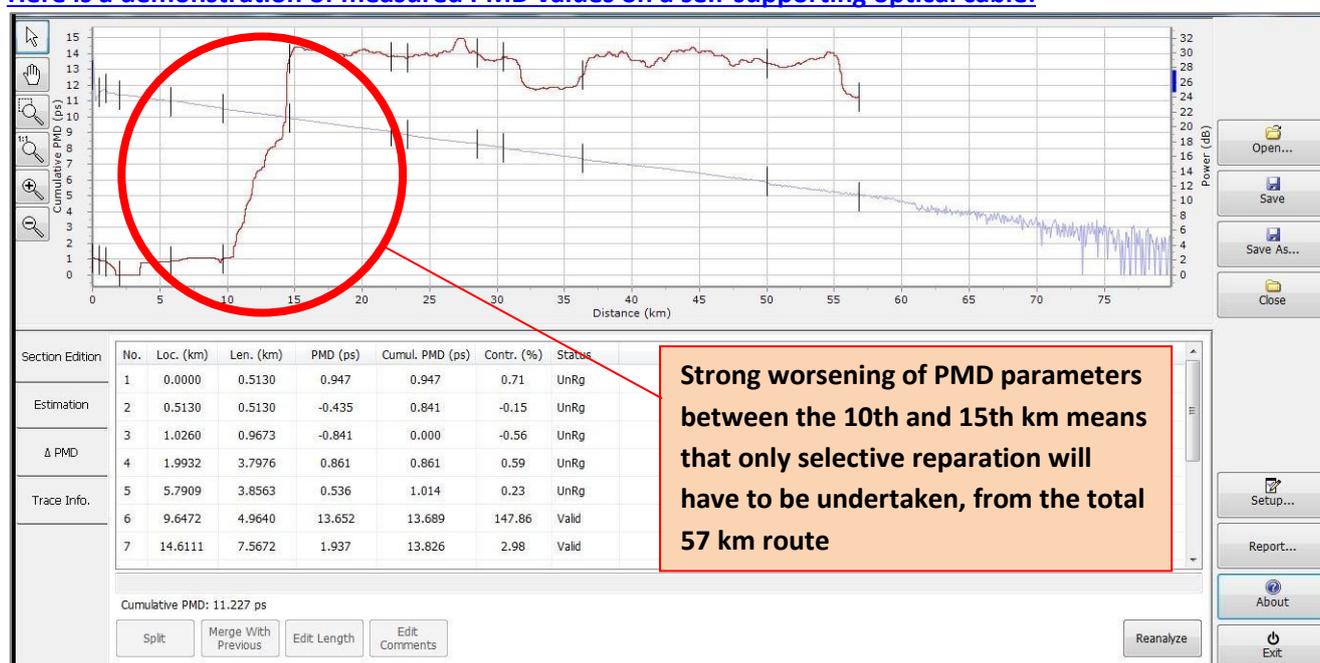
What is distributed polarized mode dispersion measurement?

If you want to set up devices on the optical route with speeds of 10 Gbit/s and more, the polarized mode dispersion plays an important role for the overall quality of the transmission. If you are using the classic PMD measurement and the measured values are not suitable for the transmission, you will have to provide other optical fibres that will suit the transmission. If they are not available to you, the entire transmission routes will have to be repaired. Distributed PMD measurement will precisely show, which part or parts of the route are aggravating the measured parameters. Those can then be targeted and replaced. Thanks to this you will save substantial amounts of money and time, therefore the devices will be put into operation faster, which will speed up the service for the final customers. This measurement is also effective in finding and eliminating future problems, for long-term rent of optical fibres.

Uses of distributed PMD measurement:

- ❖ long distance routes assigned for high-speed transmissions
- ❖ fibres in combined ground cables in overhead power distribution networks
- ❖ suspension cables assigned for high-speed transmissions
- ❖ optical fibres assigned for long term rent to customers
- ❖ other uses, where is it necessary to know the layout of PMD along the route

Here is a demonstration of measured PMD values on a self-supporting optical cable:



Before – now

Classic PMD measurement:



Distributed PMD measurement:



Customer advantages

The service is turnkey based. Thus the measurements are undertaken by qualified experts and top-level measurement techniques. Also, if the customer is interested in the repairs of found faults on the route, we will be pleased to provide that service as well.

