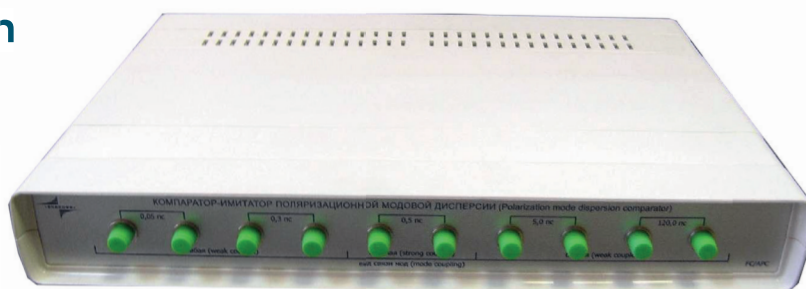


Polarization modal dispersion comparator-simulator with weak and strong mode coupling in the optical fiber



STRUCTURE OF COMPARATOR-SIMULATOR

- Unit/Set of broadband optical emission source;
- Unit/set of interferometer and controller of state of polarisation;
- Unit/set of samples of polarisation modal dispersion in optical fiber;
- PC.

CHARACTERISTICS OF COMPARATOR/SIMULATOR

Comparator-simulator is designed for reproducing, keeping and transfer of unit of polarization modal dispersion in optical fiber, calibration and verification of measurement instruments of polarization modal dispersion in optical fiber, applied in production and operation of fiber-optic communication lines.

Operating wave length of optical emission, nm	1310±30 1550±30
Nominal reproducible values of PMD, fixed in the range, ps:	
• In mode of strong mode coupling	0,5
• In mode of weak mode coupling	0,05; 0,3; 5, 120
Extended uncertainty of calibration results, not more than, ps	0,012+0,005·D, where D is PMD value, ps
insertion loss, dB, not more than	10

*Characteristics of comparator-simulator can be specified by Customer's requirement.