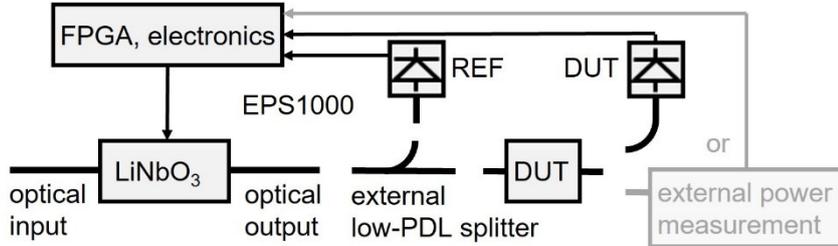


## Polarization Tracking & PDL Measurement with EPS1000

- Polarization tracking for maximum and minimum transmission and polarization-dependent loss (PDL) measurement are added to EPS1000 polarization scrambler. Suitable for laser frequency sweeps.
- **2 built-in photodetectors** (DUT, REF), external low-PDL splitter (1570 nm, 1310 nm, ...)
- **Analog voltage input** supports third-party external power measurement.
- **Polarimetric feedback** from PM1000 is possible via direct digital feedback interface.
- **PDL ~0.05...>50 dB** and mean loss are calculated in firmware. Measurement interval <100 ms.
- Extinction method (superb especially for large PDL) and depolarization/sqrt(3) method
- Ideally suited for PIC testing **1240...≥1650 nm**. Fully programmable.



Left: Polarization tracking for maximum or minimum transmission. Reference measurement eliminates PDL of LiNbO3 component

Below: 1000 PDL measurements (extinction mode) of patchcord (left) and polarizer (right)

