



ALPHALAS

VARIABLE PHASE RETARDATION ZERO-ORDER WAVEPLATES

MULTIPHASE

(Patent Pending)

A modification of our tunable phase retardation plate allows continuous variation of the phase retardation in the range 0° to 360° . The UVIR type plate can be adjusted to an arbitrary phase retardation in the range **150 nm - 6000 nm** and the FIR type in the range from **1 μm to 21 μm** . **The MULTIPHASE plate successfully replaces the expensive Soleil-Babinet and other types of compensators and can be used to analyze the state of light polarization.**



The required phase retardation is achieved by tilting the plates 0° - 45° using a special tilt holder. Each plate is provided with tuning curves that allow easy adjustment of the desired phase retardation.

The variable phase retardation plates are indispensable in research with widely tunable or broadband laser sources like dye lasers, optical parametric generators and femtosecond lasers.

We offer these waveplates at very competitive prices, making them an attractive alternative to other types of phase retardation compensators.

Applications:

polarization measurement and control, laser research, spectroscopy, nonlinear optics, OPO, femtosecond lasers