



# **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  $0^\circ$  to  $360^\circ$ . 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  $\mu\text{m}$  to 21  $\mu\text{m}$** . 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  $0^\circ$  -  $45^\circ$  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