

**NEW**

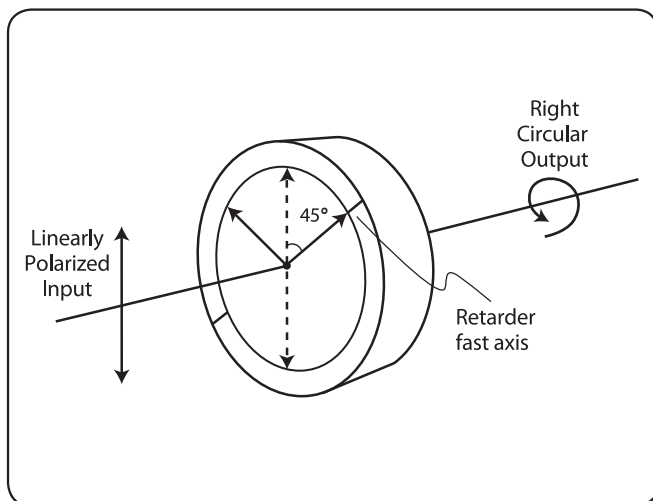
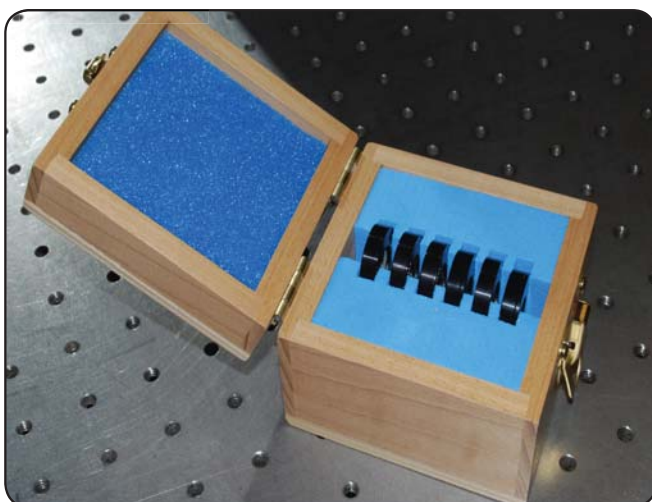
# Polarizer/Retarder Sets

Polarizers

Retarders

Mounting Hardware

Liquid Crystal Devices

Liquid Crystal  
Controllers

**Fig. 2-17** A quarter-wave retarder converts linearly polarized light to circularly polarized light, or vice versa

For polarizer specifications please refer to page 7.  
For retarder specifications please refer to page 31.

## Key Benefits

- Convenient box set
- Precise components

Meadowlark Optics Polarizer/Retarder sets include either a VIS, NIR1 or NIR2 linear polarizer and several precision retarders as described on pages 30-31 within the same wavelength range as the polarizer. By using different combinations, a variety of different polarization states can be accurately and reproducibly created. For example, a linear polarizer with a quarter-wave retarder at 45 degrees can be used to make circularly polarized light. The parts are 1" diameter, 0.7" clear aperture and are packaged in a protective wooden box. Each component is mounted in a black anodized aluminum ring.

## ORDERING INFORMATION

Item	Part Number
PRS1 sets include a polarizer and one retarder.	
VIS Polarizer/Retarder Set	PRS1-VIS- $\lambda$
NIR1 Polarizer/Retarder Set	PRS1-NIR1- $\lambda$
NIR2 Polarizer/Retarder Set	PRS1-NIR2- $\lambda$
PRS3 sets include a polarizer and three retarders.	
VIS Polarizer/Retarder Set	PRS3-VIS- $\lambda_1/\lambda_2/\lambda_3$
NIR1 Polarizer/Retarder Set	PRS3-NIR1- $\lambda_1/\lambda_2/\lambda_3$
NIR2 Polarizer/Retarder Set	PRS3-NIR2- $\lambda_1/\lambda_2/\lambda_3$
PRS5 sets include a polarizer and five retarders.	
VIS Polarizer/Retarder Set	PRS5-VIS- $\lambda_1/\lambda_2/\lambda_3/\lambda_4/\lambda_5$
NIR1 Polarizer/Retarder Set	PRS5-NIR1- $\lambda_1/\lambda_2/\lambda_3/\lambda_4/\lambda_5$
NIR2 Polarizer/Retarder Set	PRS5-NIR2- $\lambda_1/\lambda_2/\lambda_3/\lambda_4/\lambda_5$

Please specify your wavelength(s)  $\lambda$  in nanometers when ordering. Half wave and quarter wave retarders are available over the following regions:

VIS: 400 - 700 nm  
NIR1: 650 - 850 nm  
NIR2: 800 - 1700 nm



光技術をサポートする  
**株式会社オプトサイエンス**  
<http://www.optoscience.com>

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