

Polarizers – Manual and Automated Versions for Molecular Spectroscopy



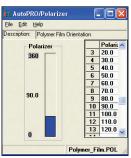
FEATURES OF POLARIZERS

- Convenient, slide-mount design for all FTIR spectrometers
- Also compatible with many PIKE Technologies accessories
- · Available in manual and automated versions
- Available for mid-IR, NIR and far-IR applications

PIKE Technologies offers polarizers for a wide variety of spectroscopy applications which are available in manual or automated versions. The polarizers are mounted in a standard 2" x 3" slide mount and are compatible with all FTIR spectrometers. Polarizer elements are 25 mm in diameter and, with mount, have a 20 mm clear aperture.

The polarizers are also compatible with many PIKE Technologies accessories including the 80Spec, VeeMAX, and AGA specular reflectance accessories. If you would like to add mounting to any of our accessories, please contact us.

PIKE Technologies automated polarizers provide specifications identical to our manual versions, plus they are fully computer controlled, making many previously labor-intensive applications feasible. With the automated polarizer an analysis program can be set up through AutoPRO software to automatically collect all spectra.



There are two manual polarizer types available. The short form with the 5 degree scale resolution and the long form with the more precise, 1 degree scale. The short and long versions of the automated polarizer are also available to address various sample compartment and accessory configurations. The automated polarizers offer the added benefit of increased setting reproducibility with accuracy of +/- 0.5 degree.

ORDERING INFORMATION

Manual Polarizers

(select based upon spectral range and performance requirements)

PART NUMBER DESCRIPTION

090-1000 Manual Polarizer, ZnSe

090-1200 Manual Polarizer, KRS-5

090-1500 Manual Polarizer, Ge

090-1400 Manual Polarizer, BaF₂

090-1600 Manual Polarizer, Polyethylene

090-1300 Manual Polarizer, CaF₂

090-3000 Precision Manual Polarizer, ZnSe

090-3200 Precision Manual Polarizer, KRS-5

090-3500 Precision Manual Polarizer, Ge

090-3400 Precision Manual Polarizer, BaF₂

090-3600 Precision Manual Polarizer, Polyethylene

090-3300 Precision Manual Polarizer, CaF₂

Notes: All manual polarizers are mounted into a 2" x 3" plate for mounting into the FTIR spectrometer slide sample holder or the appropriate sampling accessory.

Automated Polarizers

(select based upon spectral range and performance requirements)

PART NUMBER DESCRIPTION

090-2000 Automated Polarizer, ZnSe

090-2200 Automated Polarizer, KRS-5

090-2500 Automated Polarizer, Ge

090-2400 Automated Polarizer, BaF₂

090-2600 Automated Polarizer, Polyethylene

090-2300 Automated Polarizer, CaF₂

090-4000 Precision Automated Polarizer, ZnSe

090-4200 Precision Automated Polarizer, KRS-5

090-4500 Precision Automated Polarizer, Ge

090-4400 Precision Automated Polarizer, BaF₂

090-4600 Precision Automated Polarizer, Polyethylene

090-4300 Precision Automated Polarizer, CaF₂

Notes: All automated polarizers are mounted into a 2" x 3" plate for mounting into the FTIR spectrometer slide sample holder or the appropriate sampling accessory. The automated polarizers include the PIKE Technologies Motion Control Unit and AutoPRO software for fully automated operation.

