

Polarizers – Manual and Automated Versions for Molecular Spectroscopy



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, BaF ₂
090-1600	Manual Polarizer, Polyethylene
090-1300	Manual Polarizer, CaF ₂
090-3000	Precision Manual Polarizer, ZnSe
090-3200	Precision Manual Polarizer, KRS-5
090-3500	Precision Manual Polarizer, Ge
090-3400	Precision Manual Polarizer, BaF ₂
090-3600	Precision Manual Polarizer, Polyethylene
090-3300	Precision Manual Polarizer, CaF ₂

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, BaF ₂
090-2600	Automated Polarizer, Polyethylene
090-2300	Automated Polarizer, CaF ₂
090-4000	Precision Automated Polarizer, ZnSe
090-4200	Precision Automated Polarizer, KRS-5
090-4500	Precision Automated Polarizer, Ge
090-4400	Precision Automated Polarizer, BaF ₂
090-4600	Precision Automated Polarizer, Polyethylene
090-4300	Precision Automated Polarizer, CaF ₂

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.

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.

