

Variable-wavelength filter consists of a light source, an input polarizer, and an output polarizer oriented perpendicular to each other, with a thermostat capable of controlled temperature variation positioned between them, and a plate of uniaxial crystal held in place by a mechanism that applies uniaxial pressure. A LiKSO_4 dielectric crystal in the form of a $10 \times 10 \times 2$ mm plate is used as the uniaxial crystal; its optical isotropic point lies in the near-ultraviolet region of the spectrum. The uniaxial pressure application mechanism is additionally equipped with a system for monitoring and controlling the uniaxial mechanical pressure.