

Temperature Controllers

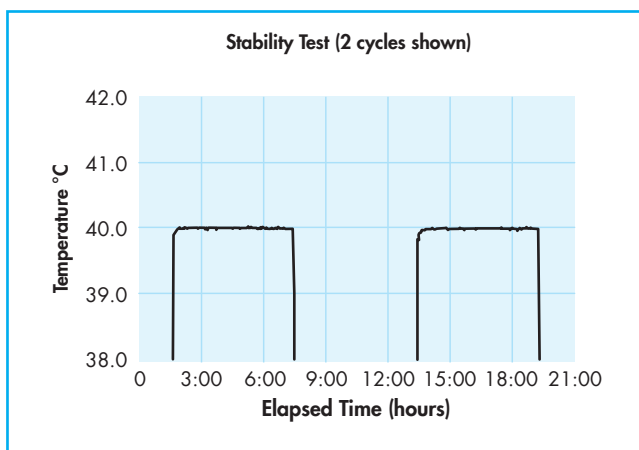


- Provides added control over ambient temperatures
- Effective for conducting outdoor experiments
- Custom sizes and temperature ranges also available

Controlling the ambient temperature when using a narrow bandpass filter is critical for top performance. For installations that are subject to large temperature fluctuations, Andover has developed a filter oven to maintain a constant temperature. This precise control also provides an effective means of tuning the center wavelength to an exact value.

All of our filter ovens come with a universal oven controller, which will operate from 110 to 220 volts, 50–60 Hz, and include plugs for US, UK, Australia, and Europe.

General Specifications	
Regulation Accuracy	±0.25°C
Ambient Temperature Range	0–35°C
Min. Regulated Temperature	30°C
Max. Regulated Temperature	60°C
Power Requirements	110–220VAC 50–60Hz, 1.0A
Cable Length	3'



Filter Ovens

Filter oven windows have broadband antireflective coating for a maximum average reflectance of less than or equal to 0.5% per surface over their specified wavelength range. The substrate material is either Schott BK-7 or fused silica, as appropriate. All substrates are flat to $\lambda/4$ minimum and parallel to 30 arc seconds or better.

Wavelength Range	Part Number
300nm to 450nm	101FRDC01-50
450nm to 700nm	101FRDC02-50
700nm to 1100nm	101FRDC03-50

Universal Oven Controllers

The universal oven controller, which is required to operate the filter oven, may be used with any Andover product. For this reason, you may need only one controller for multiple ovens.

Wavelength Range	Part Number
Universal Oven Controller	101FRDC00-CTRL

