



**ANDOVER CORPORATION**  
Quality Optical Filters and Coatings  
**2009 - 2010**

## ORDERING INFORMATION

### Four Ways to Order

<b>Online</b>	<b>www.andovercorp.com</b>
<b>Email</b>	<b>sales@andovercorp.com</b>
<b>Telephone</b>	<b>US toll-free 1.888.893.9992</b> <b>International +00.1.603.893.6888</b>
<b>Fax</b>	<b>603.893.6508</b>

### Pricing

Current prices are available at [andovercorp.com](http://andovercorp.com) by clicking on the part numbers for particular items. For a complete price list or a specific quote, please contact our sales department.

### Purchase Orders

Andover Corporation accepts e-mail, written, and online orders from customers with an open line of credit. New customers must confirm their orders in writing and supply credit references upon request.

### Blanket Orders

Andover Corporation can help reduce your inventory by scheduling automatic delivery of your order over time. Complete details are available here: <http://www.andovercorp.com/info>

### Payment Terms

Net 30 days from date of invoice for customers with established lines of credit. International customers should check with the sales department to determine if prepayment is required. All foreign orders are subject to shipping and banking fees. For blanket orders, please contact our sales department for special terms and conditions. Visa, MasterCard and American Express accepted.



### Shipping

Most standard items ship within two days of receipt of an order. All out-of-stock products are shipped within two weeks. For rush orders, one-day shipping may be available.

All prices are FOB Salem, New Hampshire, USA. Shipments are freight prepaid and billed to the buyer.

**Order online for free ground shipping within the US.**

### Return Policy

Andover Corporation accepts returns of defective items up to one year from the invoice date. Before returning any items, please contact our technical sales staff for a Return Goods Authorization (RGA) number and complete shipping instructions.

## LIMITED WARRANTY

Andover warrants that all products shall conform to the product specifications and shall be free from defects in materials and workmanship for a period of one year from date of purchase. This Limited Warranty shall not apply in the event of any failure caused by accident, misuse, neglect, alteration or improper installation or repair by the purchaser.

*Disclaimer of other warranties.* The limited warranty set forth above is in place of other warranties, express or implied, and Andover expressly disclaims all other warranties, including warranties of merchantability and fitness for a particular purpose. Specifically, it is the purchaser's responsibility to test and determine the suitability of the products for purchaser's intended use, which shall be the sole responsibility of the purchaser.

*Limitation of remedies and damages.* Andover's sole obligation and the purchaser's sole and exclusive remedy under the Limited Warranty set forth above shall be limited to (a) replacement of defective products provided that written claim of the defect is sent to Andover within the Limited Warranty period, the original product is returned with transportation prepaid, and Andover's inspection establishes the existence of such defect; or (b) at the sole discretion of Andover, return of the original purchase price received by Andover from the purchaser. Andover shall in no event be liable for any damages, including without limitation, lost profits, incidental or consequential damages by reason of or in connection with the purchase or use of the products.

*Indemnification.* The purchaser agrees to indemnify and hold Andover harmless from and against any claim, loss, cost or expense resulting from purchaser's use of the products, whether such claim arises in contract, tort or otherwise.

*Governing law.* All matters arising under this Limited Warranty and other terms and conditions of sale shall be governed by the laws of the State of New Hampshire. The purchaser consents to the exclusive jurisdiction of the courts of the State of New Hampshire in all matters relating to the purchase, sale and use of the products.

# 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 above ambient temperature. This precise control also provides an effective means of tuning the center wavelength to an exact value.

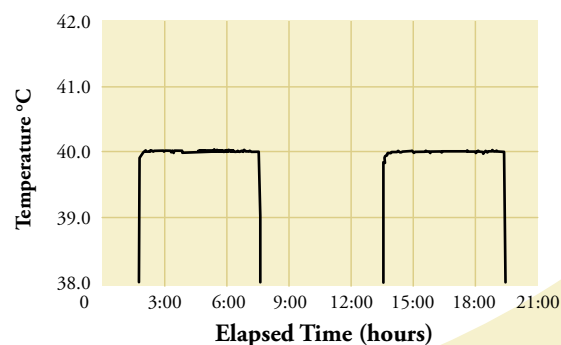
All of our filter ovens come with a universal oven controller, which will operate from 110 to 220 volts, 50–60 Hz, and include plugs for US, UK, Australia, and Europe.

Shipped in a sturdy, reusable weatherproof case.

## GENERAL SPECIFICATIONS

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

STABILITY TEST (2 cycles shown)



## 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.

A/R Coating W/L Range	Part Number
300nm to 450nm	101FRDC01-50
450nm to 700nm	101FRDC02-50
700nm to 1100nm	101FRDC03-50

## Filter Oven Controllers

Filter Oven Controller	Part Number
Oven Controller	101FRDC00-CTRL

