

New from meadowlark optics
 polarization solutions

TC3051 Stand-alone Liquid Crystal Device Temperature Control Module



The TC3051 is a single channel, microprocessor based temperature controller specifically designed to work with Meadowlark Optics' liquid crystal devices equipped with their Temperature Sensing and Control (TSC) option.

This excellent low cost and compact, stand-alone temperature controller can be added to any LC with TSC when multiple device temperature control is needed and provides the same active heating and passive cooling to within +/- 1° C of the set point and 1° C adjustment as the advanced 4-channel D3050 and new 2-channel D3060HV SWIFT LC controller.

Requiring minimal setup, the TC3051 indicates the current temperature of the attached liquid crystal device in degrees Celsius and an LED indicates when the temperature is within 0.5° C of the set-point.

Easy adjustment of temperature set-point between +20 and +60° C is available on the front panel and the new set-point is also saved to memory, allowing the unit to return to the previous set-point after powering off the unit.

Specifications

- Temperature readout resolution: 1° C
- Temperature readout range: 0 to 99° C.
- Set-point resolution: 1° C
- Set-point range: 20 to 60° C
- Power requirements: 100 – 240V ac, 47 – 63 Hz, 500 mA
- Environment: 0° C to +50° C (Operating); -55° C to +100° C (Storage)
- External Dimensions (W x D x H): (12.90 x 13.33 x 3.81 cm) ,Weight: 0.45 kg