

## LDR Range

### FEATURES & BENEFITS OF OPTOSCI LASER CURRENT & TEC DRIVERS

Features	Benefits
Range of driver modules available.	<ul style="list-style-type: none"> <li>Drivers suitable for a wide range of devices including: SOA, SLD, DFB laser diodes, 980nm Pump Lasers, Raman Pump Lasers etc.</li> <li>Precise and stable device current and temperature control</li> </ul>
Integrated heatsink with demountable 14-pin Butterfly connectors	<ul style="list-style-type: none"> <li>Easy device connection or changeover.</li> <li>Versatile and user friendly module with no requirement for separate expensive, external device plug-in mount and heatsink.</li> </ul>
Reconfigurable pin connections to device using on board wire jumpers	<ul style="list-style-type: none"> <li>Straightforward for user to change the driver connections to suit other device pin out configurations</li> <li>Single board solution for similarly packaged devices with different pin outs</li> </ul>
Comprehensive driver software supplied	<ul style="list-style-type: none"> <li>Allows full PC control and monitoring of device via USB interface</li> <li>Supports constant current and constant power operation modes</li> </ul>
Software includes a light-current-voltage (LIV) plotter	<ul style="list-style-type: none"> <li>Allows direct device characterisation with test data readily available in csv format</li> </ul>
Continuous traces of device drive parameters available on screen	<ul style="list-style-type: none"> <li>Provides ongoing monitoring of drive current, forward voltage, device output power and TEC temperature</li> </ul>
Driver includes on-board microcontroller	<ul style="list-style-type: none"> <li>Allows remote setting of device drive parameters and eliminates the problems associated with manual setting of analogue potentiometers.</li> </ul>
Device settings can be saved to driver EPROM	<ul style="list-style-type: none"> <li>Allows set &amp; forget operation with predefined parameters and no need for connection to a PC</li> </ul>
Eurocard size unit	<ul style="list-style-type: none"> <li>Compact size (160x100x50 mm [inc. mount])</li> <li>Weight only 350g</li> </ul>
Optional integrated photodiode	<ul style="list-style-type: none"> <li>Allows active device to be configured for power monitoring or automatic power control</li> </ul>
Integrated driver operational safety features	<ul style="list-style-type: none"> <li>Smooth start / stop circuitry to protect active device</li> <li>Current source shutdown with TEC temperature drift outside set parameters</li> </ul>
High efficiency drive circuits	<ul style="list-style-type: none"> <li>Minimises TEC driver power requirements</li> <li>Only requires a wall mount DC power supply</li> </ul>
OEM and Custom options are available	<ul style="list-style-type: none"> <li>Contact us to discuss OEM versions of the driver and software or custom devices with different specifications / other features</li> </ul>