

LDR Range

FEATURES & BENEFITS OF LASER CURRENT & TEC DRIVER MODULES

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