

# Laser Diode System

# LDS



## General features

- Air-cooled
- Compact design
- Precise current control
- Ultra low noise in CW mode
- Low cost, reliability and easy to use
- Over-temperature protection and over current limit

## options

- build-in power meter
- remote control

# technical information and specifications

Specifications	LDS 50	LDS 80
Input Voltage	110 - 220V	
Diode Current	0..50A	0..80A
Current Adjustment Step	0.05 A	
Current Ripple, rms	<0.5% , CW mode	
Pulsewidth	0.5ms..2s	50µs..2s
Repetition Rate	0..1kHz	0..20kHz
TEC Current	0..15A	
TEC Voltage	0..24V	
Temperature Accuracy	0,1 °C	
Temperature Setpoint	10..40 °C	
Dimensions	485x160x345 mm	
Ambient Temperature	10..45°C	

LDS laser systems from DTI are advanced products integrated in 19" enclosure:

- Fiber-coupled laser diode,
- Thermoelectric air-cooling subsystem ,
- High-current diode driver and user control panel.

LDS systems support large variety of currently available laser diode modules from the leading vendors in the market.



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