

laser diode current sources



- High stability, low noise output
- Dual output ranges on most models
- Constant current and constant power operating modes
- Multiple laser protection features
- Up to 15V compliance with 4-wire voltage measurement on select models
- Analog modulation on most models
- USB or GPIB interface on most models

LDX-3200 Series Precision Laser Diode Current Source

	LDX-3412	LDX-3210	LDX-3220	LDX-3232
Output Current	200mA	50mA / 100mA	200mA / 500mA	2000mA / 4000mA
Set point Accuracy	± 0.1%	± 0.05%	± 0.05%	± 0.15%
Set point Resolution	100µA	1µA / 2µA	4µA / 10µA	40µA / 80mA
Noise and Ripple	< 2µA	< 1.5µA / 1.5µA	< 2µA / 2µA	< 20µA / 20µA
Short Term Stability	< 50ppm	< 10ppm	< 10ppm	< 20ppm
Compliance Voltage	6V	10V	10V	15V
Analog Modulation	No	Yes	Yes	Yes
Operational Transients	< 100µA	< 1mA	< 1 mA	< 4 mA
Microprocessor Controlled	No	Yes	Yes	Yes
Laser Diode Protection		<ul style="list-style-type: none"> - Slow start circuit - Normally closed shorting relay and semiconductor switch - Floating output - Adjustable current limit - Adjustable voltage limit (available on most models) - Power line surge and EFT transient protection - Intermittent contact protection 		
Computer Interface	-----	GPIB	GPIB	GPIB



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**LDX-3545B 1A / 3A
Laser Diode Current Source**



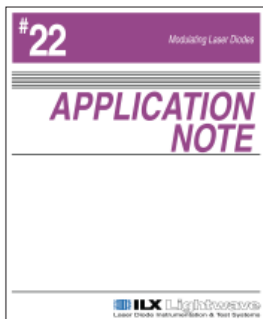
**LDX-3412 Low Cost
Laser Diode Current Source**



**LDX-3232 Precision
Laser Diode Current Source**

	LDX-3620B	LDX-3525B	LDX-3545B	LDX-3565B
Output Current	200mA / 500mA	200mA / 500mA	1000mA / 3000mA	2000mA / 6000mA
Set point Accuracy	± 0.05%	± 0.1%	± 0.1%	± 0.1%
Set point Resolution	10µA / 100µA	50µA / 125µA	250µA / 750µA	500µA / 1500µA
Noise and Ripple	< 50nA / 250nA*	< 2µA / 2µA	< 8µA / 8µA	< 15µA / 30µA
Short Term Stability	< 10ppm	< 20ppm	< 20ppm	< 20ppm
Compliance Voltage	5V	7V	6.5V	5V
Analog Modulation	Yes	Yes	Yes	Yes
Operational Transients	< 10µA	< 1mA	< 2mA / < 5mA	< 5mA / < 15mA
Microprocessor Controlled	No	Yes	Yes	Yes
Laser Diode Protection	<ul style="list-style-type: none"> - Slow start circuit - Normally closed shorting relay and semiconductor switch - Floating output - Adjustable current limit - Adjustable voltage limit (available on most models) - Power line surge and EFT transient protection; intermittent contact protection 			
Computer Interface	-----	USB	USB	USB

* Battery operation



Get laser diode current source product information and our Application Note “Modulating Laser Diodes” by visiting us online at www.ilxlightwave.com or calling one of our sales engineers today at 1-800-459-9459.