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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

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Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *ThorLabs LDC2000* at our website: *Click HERE*

LASER DIODE CONTROLLERS

	LDC500	LDC2000	LDC201ULN	LDC202	LDC210	LDC220
Current Control						
Control Range (continuous)	0 to ±500 mA	0 to ±2 A	0 to ±100 mA	0 to ±200 mA	0 to ±1 A	0 to ±2 A
Compliance Voltage	>4	>4	>2.5 V	>6 V	>4 V	>4 V
Resolution	<5 µA	<5 µA	10 µA	10 µA	100 µA	100 µA
Accuracy	100 µA	100 µA	±50 µA	±100 µA	±1 mA	±2 mA
Noise(10 Hz to 10 MHz, RMS)	<2 µA	<20 µA	<0.2 µA	<1.5 µA	<5 µA	<15 µA
Ripple (50 Hz, RMS), typical	<2 µA	<5 µA	<0.5 µA	<1.5 µA	<3 µA	<5 µA
Transients, typical	<0.5 µA	<2 mA	<50 µA	<0.2 mA	<1 mA	<2 mA
Drift (30 min, 0 to 10 Hz), typical	<50 µA	<200 µA	<10 µA	<20 µA	<100 µA	<200 µA
Temperature Coefficient	<50 ppm/°C	<50 ppm/°C	<50 ppm/°C	<50 ppm/°C	<50 ppm/°C	<50 ppm/°C
Power Control						
Control Range Photo Current	5 µA to 2 mA					
Resolution Photo Current	0.1 µA					
Accuracy	0.1 µA	0.1 µA	±2 µA			
Current Limit						
Setting Range			0 to =100 mA	0 to =200 mA	0 to =1 A	0 to =2 A
Resolution	100 µA	100 µA	10 µA	10 µA	100 µA	100 µA
Accuracy	±1.5 mA	±5 mA	±0.5 mA	±0.5 mA	±2.5 mA	±5 mA
Modulation, Analog Control Input						
Input Resistance	10 kΩ					
Modulation Coefficient, CC	50 mA/V	200 mA/V	10 mA/V ±5%	20 mA/V ±5%	100 mA/V ±5%	200 mA/V ±5%
3 dB Bandwidth DC	150 kHz DC	50 kHz DC	3 kHz DC	250 kHz DC	100 kHz DC	50 kHz
Modulation Coefficient, CP	0.2 mA/V ±5%					
Control Output for Laser Current						
Load Resistance	>10 k					
Transmission Coefficient			100 V/A ±5%	50 V/A ±5%	10 V/A ±5%	5 V/A ±5%
Connectors						
Laser Diode, Photodiode, LASER ON signal, Interlock	DB9 Female	DB9 Female	9-pin D-sub			
Modulation Input	BNC					
Control Output Laser Current	BNC					
Chassis Ground	4 mm banana					
General Data						
Line Voltage	110 V ±10%, 115 V ±10%, 230 V ±10%					
Line Frequency	50 to 60 Hz					
Maximum Power Consumption	30 W	60 W	13 W	15 W	30 W	45 W
Operating Temperature	0 to +40 °C					
Storage Temperature	–40 °C to +70 °C					
Warm-up Time for Rated Accuracy	10 min					
Weight	<6.6 lb.		<3 kg			
Dimensions (W x H x D)*2	5.8 x 2.8 x 12.5"		146 x 66 x 290 mm			

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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We're here to make your life easier. How can we help you today?

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