

20A CW Laser Diode Driver

BRM-6103

The BRM-6103 is a versatile laser driver controller featuring continuously tunable drive current (up to 20A max) and support for three operating modes:

- Continuous wave (CW)
- Analog input control
- Optical power control (APC)

It offers external I/O interface for a photodiode and NTC temperature sensor, ensuring precise monitoring and protection.

With high precision, ultra-low ripple, and flexible control, the BRM-6103 is ideal for applications such as:

- High-power laser diode driving
- Constant optical power stabilization systems
- Industrial/material processing lasers
- Scientific research laser systems

This compact and reliable controller delivers stable performance for demanding laser applications.



Features

- 3 Operating Modes- CW / Analog/ APC
- Dual Control Modes-Current Control & Power Control
- Flexible Input Options- Internal Control & External Control
- I/O Interfaces- Compatible with Photodiode Input/ NTC Temperature Sensor

Applications

- High-Power Laser Drive Control
 - Ideal for driving high-power laser diodes (20A max current)
 - Enables precision current control for scientific/research lasers
- Constant Optical Power Control
 - Closed-loop feedback system via photodiode interface
 - Maintains stable output power under varying conditions
 - Essential for medical lasers and metrology applications

What's included

#	Part Description	Model	Qty.
1	20A CW Laser Diode Driver	BRM-6103	1
2	Power cable	BC-105075	1

Specifications

Model	BRM-6103
Output Current	0~20A
Current Resolution	2mA
Output Voltage	0~45 V
Resolution	±2% or ±20mA
Operating Mode	continuous current, analog input, and optical power control
Sensor I/O Interface	1 channel NTC interface 1 channel PD interface
Photodiode Current	~4mA
Power Supply	220VAC
Dimensions	280×300×150mm

Dimensions (mm)

