

Packs a punch!

Laser Driver LDD100



Highlights:

Strong: up to 200A

Fast: 25ns rise time

Flexible

Our offer in Detail:

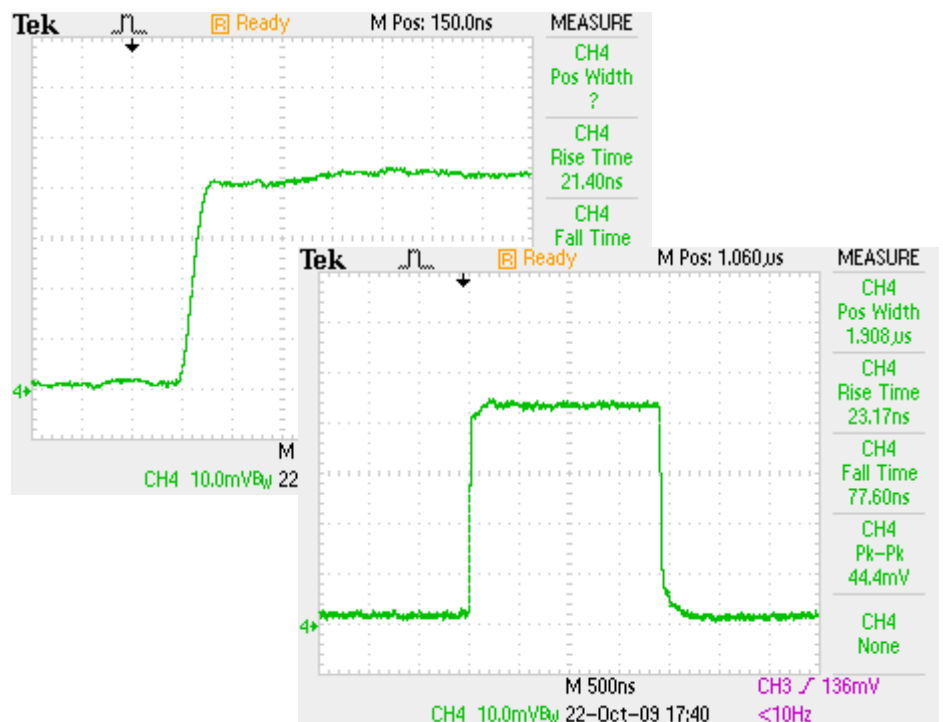
The LDD100 is a powerful laser driver for use in the lab as well as for OEM applications.

We offer this instrument with various end stages with current ranges 0-40A, 0-120A, and 0-200A.

The graphical user interface is clear and intuitive to use.

Specifications

- Current: up to 200A
- Rise time: <25ns
- USB controlled via GUI
- Control via key pad and LCD



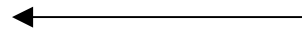
Your problem is our challenge – flexibility is our standard:

We will gladly adapt the wavelength or the casing to suit your application. Let us know your requirements.

Ordering Information

Order code: LDD 100 **c**

| | Options | Description |
|----------------------|---------|-------------|
| Maximum current (c): | 40 | 40A |
| | 120 | 120A |
| | 200 | 200A |



Please contact us for customized units.

Specifications

| PARAMETER | CONDITIONS | | | | UNITS |
|--------------------------------|--|--|-----|--------------------------------|----------------|
| | | MIN | TYP | MAX | |
| OUTPUT | | | | | |
| Current | | 400 | | 200 ¹ | mA A |
| Connector | Control unit to head Head to laser | LEMO Strip line | | | |
| Rise time | | | 20 | 25 | ns |
| Fall time | | | 80 | 100 | ns |
| Pulse duration | | 50 | | 3 | ns s |
| Resolution of pulse duration | 50ns to 1.5ms 1.5ms to 3s | 50 | | 0.01 | ns % |
| Repetition rate | | | | 100 | kHz |
| Pulse separation | | 10 | | 10 | µs s |
| Resolution of pulse separation | 10µs to 100ms 100ms to 1s 1s to 10s | 10 | 100 | 1 | µs µs ms |
| Compliance voltage | | | | 4 | V |
| Duty cycle | without active cooling LDD100-40 LDD100-120 LDD100-200 with active cooling | | | 0.012 0.004 0.003 0.8 | |
| Accuracy | | ± 2 | | | % |
| Reproducibility | | ± 1 | | | % |
| Linearity | | | ± 1 | | % |
| PC INTERFACE | | | | | |
| Type | | USB | | | |
| Data transfer rate | | 1.5 | | | Mbit/s |
| TRIGGER | | | | | |
| Type | | Internal External: sequence start External: individual pulse control | | | |
| POWER SUPPLY | | | | | |
| Type | | 120V; 60Hz 240V; 50Hz | | | |
| DIMENSIONS | | | | | |
| | Control unit Current head | 250 x 235 x 150 mm (W x L x H) 105 x 190 x 55 mm (W x L x H) | | | mm mm |

¹ 40A and 120A versions also available