

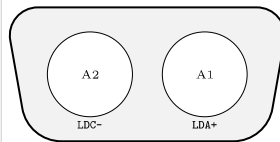
Tabletop Laser Controller

Type: ls11-la20v30-t12783-noise-v0-726



- Laser max.: 20A, 30V
- noise reduced version
- trise-fall < 25us (optional < 5us)
- Supply Voltage: 90~230VAC - 50/60Hz
- External, Analog and Digital Modulation
- Internal Pulse Generator
- Pulses and Bursts internally and externally triggered
- Bias Current option
- Pilot Laser Supply
- External Fan Support
- Current Monitor
- optional additional TEC-stages

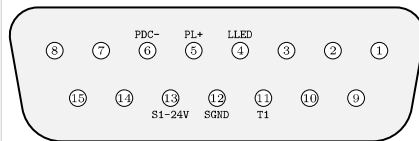
Laser Connector



SubD-2W2 female

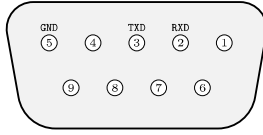
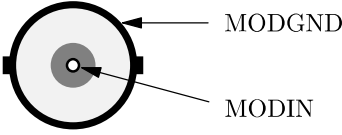
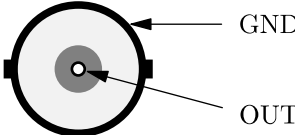
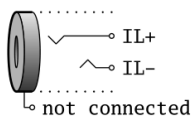
PIN.No	Abbr.	Function
A1	LDA+	Laser Diode Anode (+)
A2	LDC-	Laser Diode Cathode (-)

Support Connector

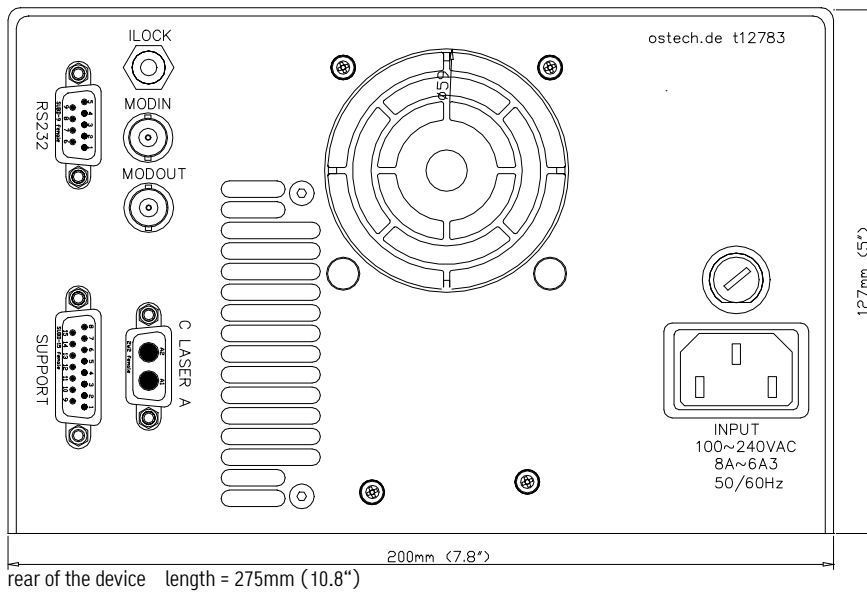


SubD-15 female

PIN.No	Abbr.	Function
4	LLED	LASER-RUN LED
5	PL+	PILOTLASER+ vs. GND
6	PDC-	Photo-Diode Kathode (connect Anode to GND)
11	T1	Temperature Sensor Input vs. GND (default NTC 10kOhm@25°C)
12	GND	Common Ground
13	1..24V	1..24V Supply, max. 800mA vs. GND, supports fan etc.

RS232 Connector	AMOD/DMOD-IN Connector	MOD-OUT Connector	Interlock Connector
			
<p>SubD-9 female Standard RS232-Connector (No Null-Modem Cable !)</p>	<p>BNC-Socket Input-Impdance 10kOhm Digital Modulation with TTL-Pegel Analog Mod. 0-4[V] => 0-I_{max}[A]</p>	<p>BNC-Socket, current monitor 0-I_{max}[A] -> 0-4[V] Take care for laser isolation if you connect GND potential to an oscilloscope f.e.</p>	<p>Jack Connector 3.5mm Laser runs only if closed (ca. 5mA over 2V -> R <= 400R)</p>

Tabletop Laser Controller



Revision overview:

2017.10.10: "v0" - derived from type-467 as noise reduced version without TEC-stage

References:

<http://www.ostech.de/en/products/laser-drivers/ds11-t127>
<http://www.ostech.de/en/downloads/manuals/ds-en.pdf>
<http://www.ostech.de/en/downloads/labview>

Accessories

- acc-converter-usb-to-rs232-1m5-iso-417
RS232 to USB converter optical isolated with FTDI-Chip cable 1.5m
- kab-lpa08-16pol-subd15m-oe-1.5m-39
cable 16x0.35qmm / subd15-Gold-6,5A per pin to open end / length-1m5
- kab-la40-2pol-2W2male-oe-1.5m-286
cable 2x4qmm / imax-40A subd-2W2m-male to open-ends / length-1m5