

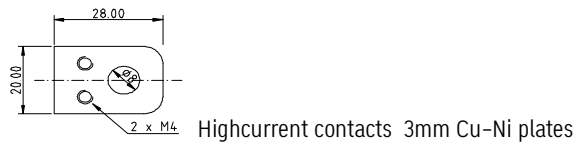
Tabletop Laser & Peltier Controller

Type: ls11-la120v04-t12730g-v2-581



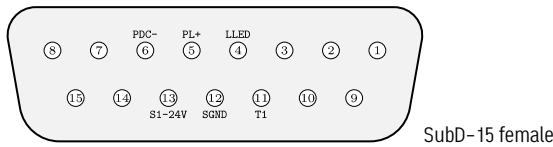
- Laser max.: 120A, 04V
- trise-tfall < 25us (optional < 5us)
- Supply Voltage: 90~230VAC - 50/60Hz
- External, Analog and Digital Modulation
- Internal Pulse Generator
- Pulses and Bursts internally and externally triggered
- Bias Current option
- Pilot Laser Supply
- External Fan Support
- Current Monitor
- optional additional TEC-stages

Laser Connector

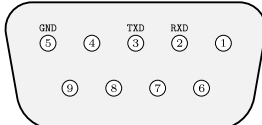
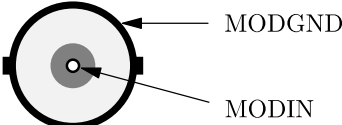
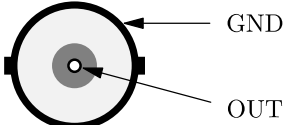
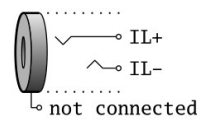


Contact No	Name	
1	ANODE	Laser Anode
2	CATHODE	Laser Cathode

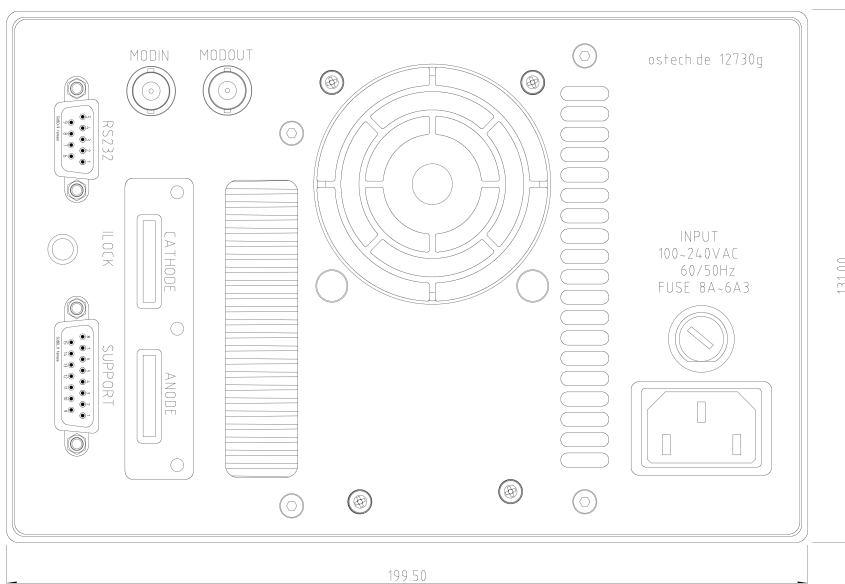
Support Connector



PIN.No	Abbr.	Function
4	LLED	Laser Active LED - Anode (+), 5V over 470R, v.s. GND
5	PL+	Pilot Laser (+), v.s. GND
6	PDC-	Photo Diode Cathode (-), v.s. GND
11	T1	Temperature Sensor 1 Input, default NTC10kΩ, v.s. GND
12	GND	Common Ground
13	1-24V	1 to 24V Supply, max. 800mA, vs. GND, supports fan etc.
	SCR	Common Screen

RS232 Connector	AMOD/DMOD-IN Connector	MOD-OUT Connector	Interlock Connector
			
SubD-9 female Standard RS232-Connector 9600-Baud-8N1 (No Null-Modem Cable !)	BNC-Socket Input-Impdanz 10kOhm Digital Modulation with TTL-Pegel Analog Mod. 0-4[V] => 0-I _{max} [A]	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.	Jack Connector 3.5mm Laser runs only if closed (ca. 5mA over 2V -> R <= 400R)

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rear of the device length = 275mm (10.8")

Revision overview:

2015.10.10: "v1" - temp. sensor input changed to 1 pin version
 2021.01.01: "v2" - new power contacts

References:

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