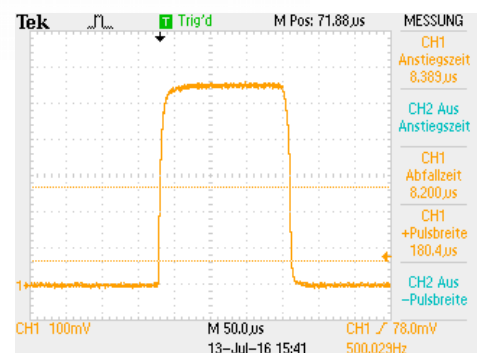




Tabletop Laser Source with Fibre output

Type: dst11-la60v12-t19315-v0-DILAS-IS10-240W-647



OsTech DioSource Module

Features:

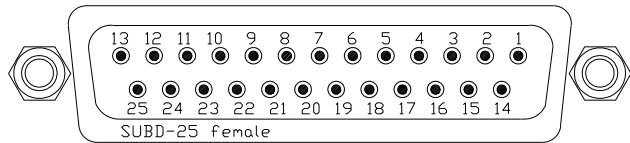
- housing: 19" rack mount, 3HU, depth 340mm, water cooled
- water cooling: water hoses with 8mm outer diameter and 6mm inner diameter
- Input: 110V-240V AC
- Output: FSMA fibre receptacle, 400μm fibre core diameter
- key switch, emergency stop, Interlock and LaserOn-signal
- Operation modes: cw, internal digital modulation, external Analog or Digital Modulation, Gate option, rise / fall times <20μs
- RS232-Interface, control software and labview VI is provided for download

Options:

- USB or Ethernet
- low noise optical output
- short rise- / fall-time
- aiming- laser

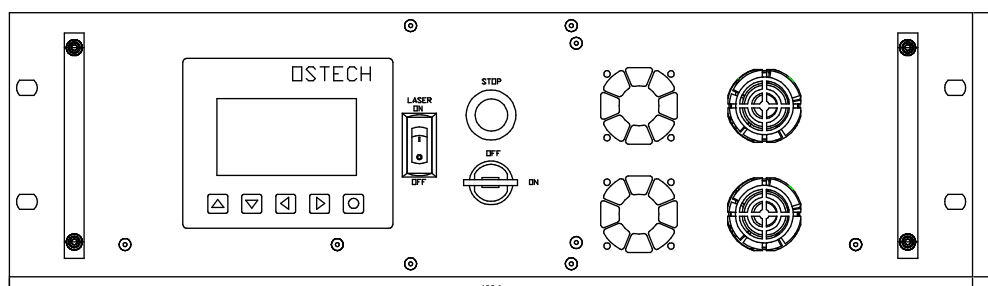
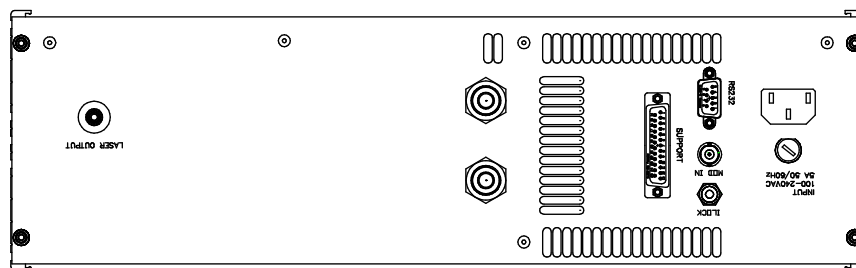
Tabletop Laser Source with Fibre output

Support Connector - Isolated Industrial Interface



Sub-D25 female Type as seen from backside
isolated RS485 or USB optional

PIN.No	Abbr.	Function
1	XO_ILOCK	Interlock Output max. 12V 100mA
2	XO_LON	Laser On - TTL- Output High = Laser On (pull-up resistor at 5V with 270R for LED f.e.)
3	XO_SYSOK	System Ok - TTL-Output High = Laser, Temp. & System OK (pull-up resistor at 5V with 270R)
5	X5VREF	External Reference 5V +-1% max. 20mA - as potentiometer supply f.e.
6	XSUP-12	External Supply Output -12V max. 250mA for free usage
7	XSUP+12	External Supply Output+12V max. 250mA for free usage
8	XSUP5V	External Supply Output 5V max. 250mA for free usage
9	XI_MODE0	TTL-Input - multipurpose mode select input
10	XI_MODE1	TTL-Input - multipurpose mode select input
11	XI_LaserOff	TTL-Input - Laser ON - TTL-Low = Laser On - internally pulled up
12	optional SUP_FAN	Universal Supply - 2V..22V up to 800mA for external Fan etc. (! not isolated)
13	optional SUP_GND	Universal Supply GND (! not isolated)
14	XI_ILOCK	Interlock Input - has to be connected to XO_ILOCK
15	MOD_DMOD	Modulation Digital Input TTL
16	MOD_GND	Modulation GND
17	MOD_ANALOG	Modulation Analog Input 0-4V → 0A-I _{max} (R _i =10kOhm for 0-10V signal put 15kOhm in series)
18	XTX	RS232-Tx
19	XRX	RS232-Rx
20,21	XGND	Xternal GND
24		SWD-CLK-4-TCK
25		SWD-IO-5-TMS
4,22,23,24,25	n.c.	Reserved pins, do not connect!



Device depth 350mm + front handle

Tabletop Laser Source with Fibre output

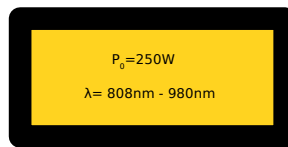
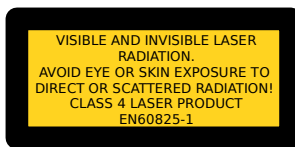
Laser data

Laser module type	DILAS M1F4S22-808.10-240C-IS10.23MPW
Maximum optical power	250W
Wavelength	808nm
Fiber Core Diameter, Numerical Aperture	400µm; NA0.22
Fiber connector	High Power FSMA
Diode laser operating temperature	T1, T2 25°C – 35°C

Laser safety

CAUTION: USE EVERYTIME LASER SAFETY EQUIPMENT NECCESSARY.

WEAR PROPER SAFETY EYE WEAR DURING OPERATION. READ USER MANUAL CAREFULLY AND FOLLOW THE OPERATING INSTRUCTIONS.



PRELIMINARY. All product information is believed to be accurate and is subject to change without notice.
Some specific combinations of options may not be available.