

type: 6x-ds11-la45v3-pa07v24-t195xx-for-JOLD-30-FC- 808-400µ-v0-621

Laser System with 6 Integrated 30W Lasers

- * supply voltage: 90..230VAC, 12.5A fuse
- * key switch, emergency stop
- * driver per laser channel max.: 45A 3V, TEC max.: 24V and 7A
- * trise tfall 10-90% < 10µs about 5µs on request
- * the device is OsTech „ds-compatible“, i.e. external or internal analog or digital modulation, bias current option, internal pulsgenerator etc.
- * all channels communicate over isolated USB interface virtual com-port with ftdi-chip 115kBaude-8N1, 1st channel with prefix 01, 2nd-02 and so on, all channels can be addressed simultaneously with prefix 00, use ostech.vi 2.0.4 (multi-channel version)

* every single channel has one additional standard isolated RS232 interface with 9600Baud-8N1 without prefix at the front panel

* Download source for the multichannel version:
<http://www.ostech.de/shared/files/labview/setup-ostech-0.2.4.exe>

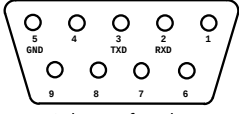
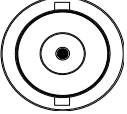
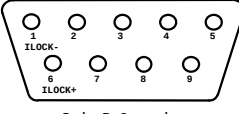
* Download source for DS-manual:
<http://www.ostech.de/de/downloads/handbuecher>

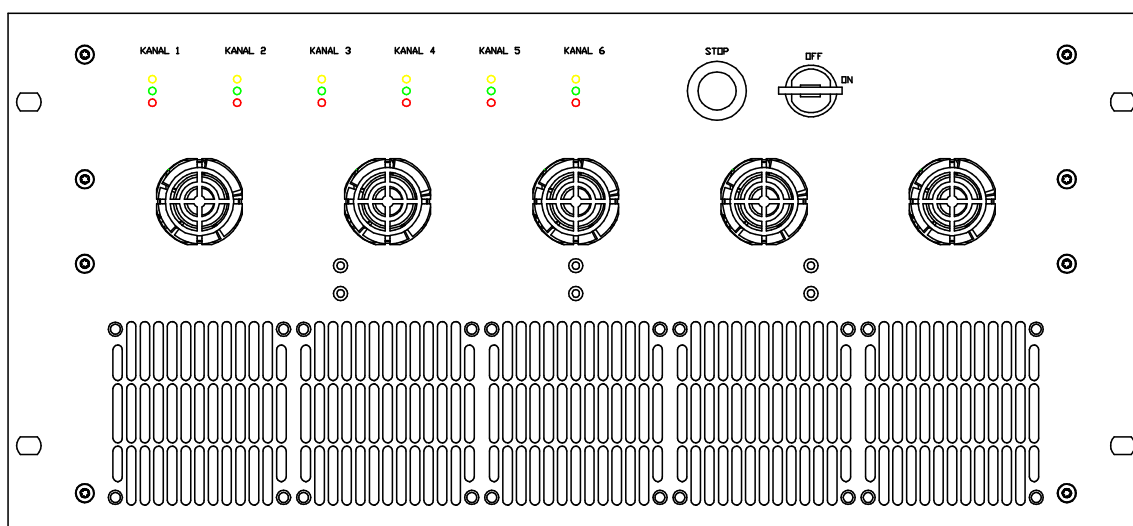
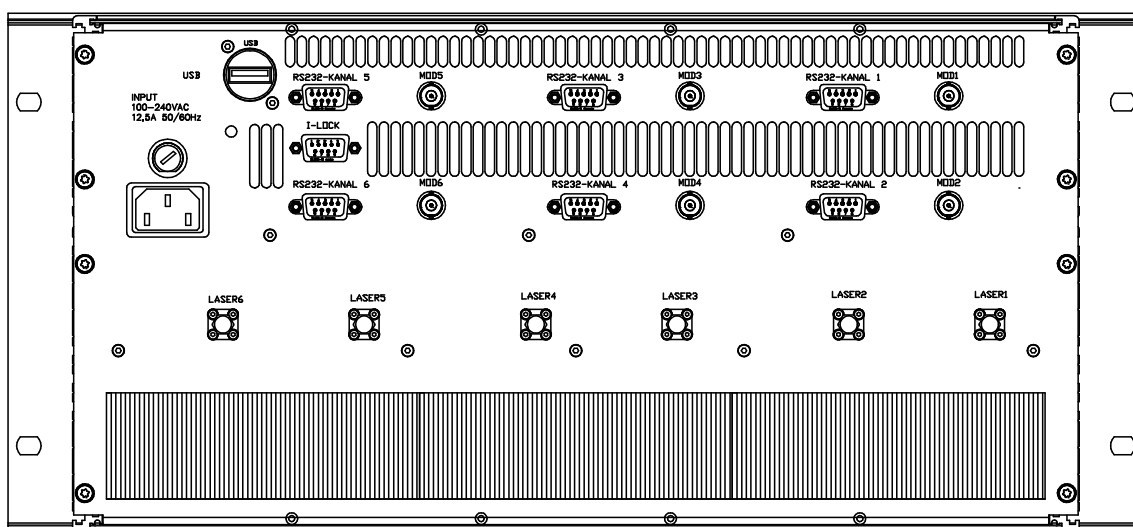
* Optical power output with 6 independent FSMA-connectors is realised at rear panel. Please use only fiber cables with metal protection shielding. These are available on request.

* indicator LEDs: yellow - „sys ok“, green - „laser On“, red - communication over USB/RS485

* weight: 23.5kg



RS232 Connector	AMOD/DMOD Connector	Interlock Connector
 Sub-D 9, female	 BNC Coaxial Connector	 Sub-D 9, male
Standard RS232-Connector connected to PC (No Null-Modem Cable !)	Input-Impdanz 10kOhm Digital Modulation with TTL-Pegel Analog Modulation 0-4[V] => 0-Imax[A]	Interlock - Laser runs only if closed (ca. 5mA over 2V -> R _{Interlock} <=400R)



Device dimensions: 19" (483mm), 5HU (221.5mm), 340mm depth excluding front and rear handles

Laser data				
Laser module type	JOLD-30-FC-14			
Maximum optical power	30W			
Wavelength	808nm			
Fiber Core Diameter, Numerical Aperture	400 µm, NA 0.22			
Fiber connector	F-SMA 905, potential free			
Diode laser operating temperature	Diode Laser Operating Temperature 15 ... 30 °C, measured with internal temperature sensor			

Laser safety

