

Stradus™ Control Box Specification

Connector	Function	Pin	Description
RS-232	RS-232 Transmit	2	RS-232 level transmit signal
	RS-232 Receive	3	RS-232 level receive signal
	Signal Ground	5	Signal ground
I/O	Fault Indicator	1	TTL signal for fault status. TTL High = Fault
	Laser Enable	2	TTL signal to toggle laser emission on and off
	Auto-Start	3	Ground pin to require computer initiated emission. (LE=1) This pin is normally TTL High
	5 Volts	4	5 Volt Reference
	Laser Ready	5	TTL Signal for Laser Emission Status. TTL High indicates laser emission. Indicator High when CDRH delay count begins
	N/C	6	N/C
	Signal Ground	7	
	Laser Power Out	8	0-2 Volt output represents 0-100% laser power
Analog Power Control	Analog Power Control	BNC center	0 – 5V signal on this pin will control the laser output power by 0 – 100%
	Power Control Ground	BNC collar	Ground reference for the 0 – 5V power control signal
Interlock- on back of box	Remote Interlock	Sleeve/tip	Normal operation = no plug inserted. When RCA plug inserted and circuit is open = no laser emission

