User Manual

Product Model：C100 100W CO2 Laser Tube

Product Instruction：

Professional co2 glass laser tube, mainly used in laser engraving machine, laser cutting machine. It is a spare part for laser machines that can engrave and cut acrylic, cloth, leather, bamboo, wood ,paper and most of other non metal materials. Our CO2 laser tube in model#C100 100W

(1450mm*80mm) adopts the uses German Schott discharge tube and special coating technology to improve the performance of the laser tube. It is definitely your best choice.

Features & Details :

1、【HIGH TEMPERATURE RESISTANCE】- This co2 laser tube is made of the boron silicate glass that is also applied on the solar tubes. It is resistant to high temperature and high pressure.

2、【TEMOO MODE】- This co2 laser tube adopts the TEMOO mode, which is characterized by high spot concentration, high energy density as well as good and stable spot. At the same time, the use of output mirrors further enhances the mode.

3、【SPECIAL COATING TECHNOLOGY】- The inside of the discharge tube (imported German Schott tube)uses the special coating technology. The coating is a reduction catalyst mixed with materials such as rare earth and gold.

4、【LONGER SERVICE LIFE】- Our service life of discharge tubes coated with special catalysts is much improved. Compared with other same kind laser cutting tubes, our 100W co2 laser can last longer.

5、【VARIOUS APPLICATION】- Model#C100 100W co2 laser tube is very Professional, as the main spare parts of co2 laser engraving and cutting machine, it supplies for the strong energy “laser” during engraving and cutting.

Technical Parameters：

Rated power output: 100W

Length: 1450mm

Beam diameter: 5mm

Wavelength: 10.6um

Material: Boron Silicate Glass

Outer diameter: 80mm

Trigger voltage: 24KV

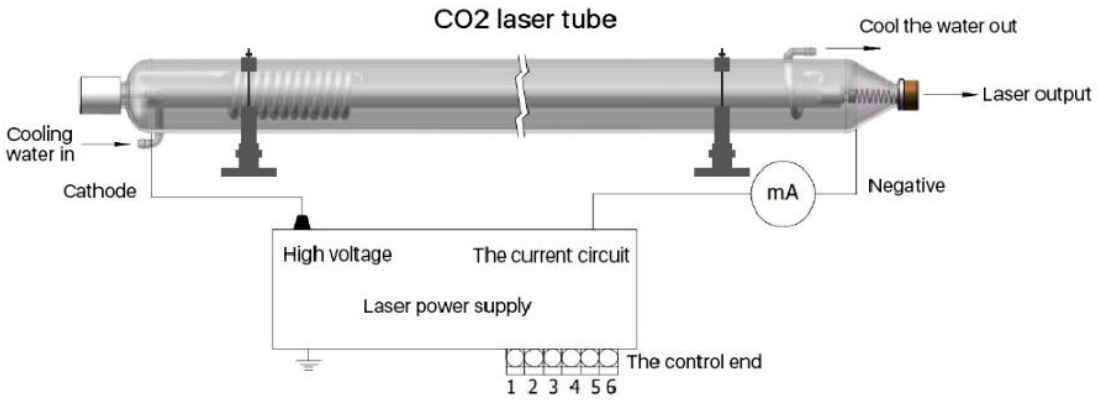
Working voltage: 17KV

Optimal operating current: 23mA

Gross Weight: 6.1kg(13.45lbs)

Package Size: 160.8 x 17.5 x 20.5cm/63.31 x 6.89 x 8.07inch

Installation Drawing：



CO_2 Laser Tube

Product List

Model#	C40	C50	C60	CL80	C80	C100	C130	C150	C170
Rated power (W)	40	50	60	80	80	100	130	150	170
Max power (W)	50	70	80	100	100	130	150	170	180
Length (mm)	700	850	1200	1600	1250	1450	1650	1650	1850
Diameter (mm)	50	50	60	60	80	80	80	80	80
Catalyze or not	yes	yes	yes	yes	yes	yes	yes	yes	yes
Wave length	10.6um	10.6um	10.6um	10.6um	10.6um	10.6um	10.6um	10.6um	10.6um
Diode current (mA)	5	5	5	5	5	5	6	7	7
Diode voltage (KV)	17	18	19	28	23	24	28	30	32
Working Voltage (KV)	10	15	16	19	16	17	18	22	23
Beam diameter (mm)	4	5	5	5	5	5	5	6	6
Suggest EC (mA)	18	17	18	20	22	23	24	28	30
Max EC (mA)	≤20	≤20	≤20	≤25	≤25	≤25	≤25	≤30	≤30
Stability	≤±10%								
Cooling	Water cooling 15-30℃								