

HAMAMATSU

COMPACT BENCH-TOP TYPE REGULATED DC POWER SUPPLY C9525 SERIES

Compact Bench-top Type Multipurpose Power Supply Simultaneous Outputs of ± 5 V, ± 15 V and High Voltage

OVERVIEW

The C9525 series is a bench-top type multipurpose power supply incorporating a high voltage power supply (maximum output of +2000 V/-2000 V for a photomultiplier tube) and constant voltage power supplies (± 5 V and ± 15 V for peripheral devices such as Hamamatsu amplifier units and photon counting unit). The four digit digital voltmeter on the front panel shows the output value of high voltage with high accuracy.

FEATURES

- Compact bench-top type
- Multiple outputs of ± 5 V, ± 15 V and high voltage (+2000 V, -2000 V)
- High stability
- USB control



CE

SPECIFICATIONS

Parameter		High Voltage Power Supply Section	± 5 V Power Supply Section	± 15 V Power Supply Section
Output Voltage	C9525/C9525-01	0 V to -2000 V (variable)	± 5 V ± 5 % (fixed)	± 15 V ± 5 % (fixed)
	C9525-50/C9525-51	0 V to +2000 V (variable)		
Specification Guaranteed Output Voltage	C9525/C9525-01	-320 V to -2000 V (variable)	± 5 V ± 5 % (fixed)	± 15 V ± 5 % (fixed)
	C9525-50/C9525-51	+320 V to +2000 V (variable)		
Maximum Output Current		2 mA	500 mA	200 mA
AC Input Voltage	C9525/C9525-50	100 V / 120 V (± 10 %) (50 Hz / 60 Hz)		
	C9525-01/C9525-51	230 V (± 10 %) (50 Hz / 60 Hz)		
Input Regulation [Ⓐ]	Max.	± 0.005 %	± 0.1 %	± 0.1 %
Load regulation [Ⓑ]	Max.	± 0.03 %	± 1 %	± 0.5 %
Ripple / noise (p-p) [Ⓒ]	Max.	0.003 %	0.06 %	0.02 %
Drift [Ⓓ]	Max.	± 0.05 %/h	± 0.05 %/h	± 0.05 %/h
Temperature Coefficient	Max.	± 0.01 %/°C	± 0.01 %/°C	± 0.005 %/°C
High Voltage Output Monitoring Accuracy	Max.	$\pm (0.1$ % +2 V)	—	—
Output Connector Receptacle		SHV Type	DIN Type (6 pins)	
Power Consumption [Ⓒ]		Approx. 40 V·A		
Operating Ambient Temperature / Humidity Range [Ⓔ]		0 °C to +40 °C, 85 % RH Max.		
Storage Temperature / Humidity Range [Ⓔ]		-20 °C to +50 °C, 90 % RH Max.		
Weight		Approx. 3.0 kg		

- NOTE:** Ⓐ For 10 % change in line voltage
Ⓑ For 0 % to 100 % change in load
Ⓒ At the maximum output
Ⓓ After 30 minute warm-up
Ⓔ No condensation

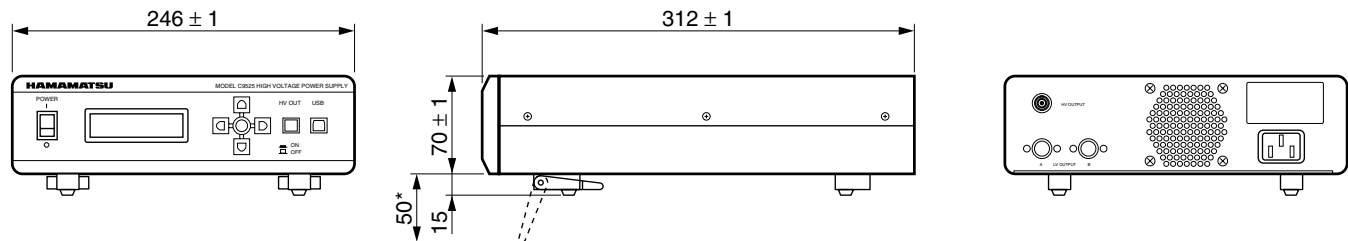
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ACCESSORIES

- ① High voltage output cable (1.5 m long) terminated with SHV-P plugs E1168-17 1
- ② AC line cable (2 m long) 1
- ③ 3P/2P connector AC adapter 1
- ④ USB cable (1.5 m long) with filter 1
- ⑤ Low voltage power supply section DIN connector plugs 2
- ⑥ CD-R (Containing instruction manual, sample software) 1

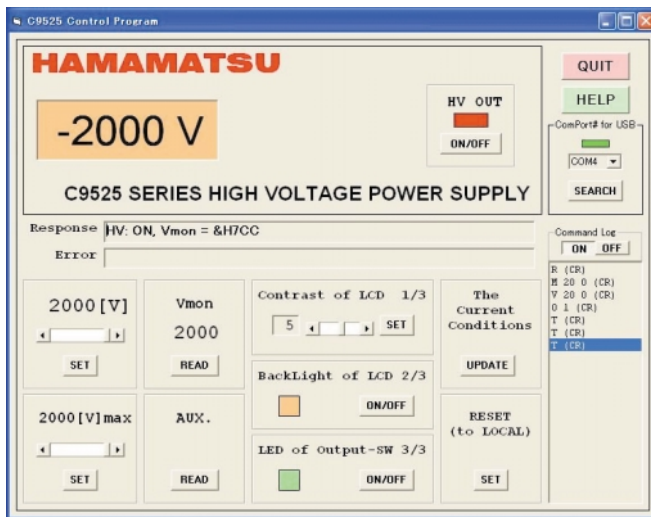
DIMENSIONAL OUTLINES (Unit: mm)



* The height of the C9525 is 120 mm with front legs extended

TACCA0290EA

SAMPLE SOFTWARE SCREEN



At -2000 V Output.

HAMAMATSU

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JAN. 2007. IP