

HAMAMATSU

COMPACT BENCH-TOP TYPE REGULATED DC POWER SUPPLY C4720

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

FEATURES

- Compact bench-top type
- Simultaneous outputs of $\pm 5V$, $\pm 15V$ and high voltage (+200 to +1500V)
- High stability

The C4720 is a bench –top type multipurpose power supply incorporating a high voltage power supply that provides maximum output of +1.5kV for a photomultiplier tube and constant voltage power supplies that provide $\pm 5V$ and $\pm 15V$ for peripheral devices such as Hamamatsu photon counting units. The four digit digital voltmeter on the front panel shows the output value of high voltage with high accuracy.



SPECIFICATIONS

Parameter	High Voltage Power Supply Section	$\pm 5V$ Power Supply Section	$\pm 15V$ Power Supply Section
Output Voltage	+200 to +1500Vdc (variable)	$\pm (5.00 \pm 0.25) Vdc$ (fixed)	$\pm (15.00 \pm 0.75) Vdc$ (fixed)
Maximum Output Current	1mA	500mA	200mA
Input Regulation [Ⓐ]	$\pm 0.001\%$ Max.	$\pm 0.1\%$ Max.	$\pm 0.1\%$ Max.
Load Regulation [Ⓑ]	$\pm 0.005\%$ Max.	$\pm 1\%$ Max.	$\pm 0.5\%$ Max.
Ripple/noise [Ⓒ]	0.005%p-p Max.	8mVp-p Max.	8mVp-p Max.
Drift [Ⓓ]	$\pm 0.03\%/h$ Max.	$\pm 0.05\%/h$ Max.	$\pm 0.05\%/h$ Max.
Temperature Coefficient	$\pm 0.03\%/^{\circ}C$ Max.	$\pm 0.03\%/^{\circ}C$ Max.	$\pm 0.03\%/^{\circ}C$ Max.
Output Receptacle	One MHV receptacle	Two 4-pin receptacles (HIROSE SR30-10R-4S)	One 4-pin receptacle (MIYAMA MC-032)
High Voltage Output Monitor	4-digit display	—	—
High Voltage Output Monitoring Accuracy	$\pm 0.5\%$ Max.	—	—
Input Line Voltage	100/115/220Vac $\pm 10\%$ (To be selected on order)		
Input Line Voltage Frequency	50/60Hz		
Power Consumption [Ⓔ]	Approx. 50VA Max.		
Operating Temperature/Humidity Range [Ⓔ]	0 to +40°C, 90%RH Max.		
Characteristics Guaranteed Temperature/Humidity Range [Ⓔ]	+5 to +35°C, 85%RH Max.		
Storage Temperature/Humidity Range [Ⓔ]	-20 to +50°C, 95%RH Max.		
Dimensions [Ⓕ]	255(W) × 54(H) × 230(D)mm		
Weight	Approx. 2.8kg		

Ⓐ For 10% change in input voltage

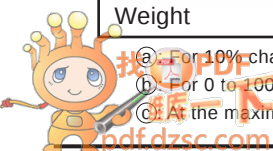
Ⓑ For 0 to 100% change in load

Ⓒ At the maximum output

Ⓓ After 30-minutes warm-up

Ⓔ Without moisture condensation

Ⓕ Excluding projecting parts

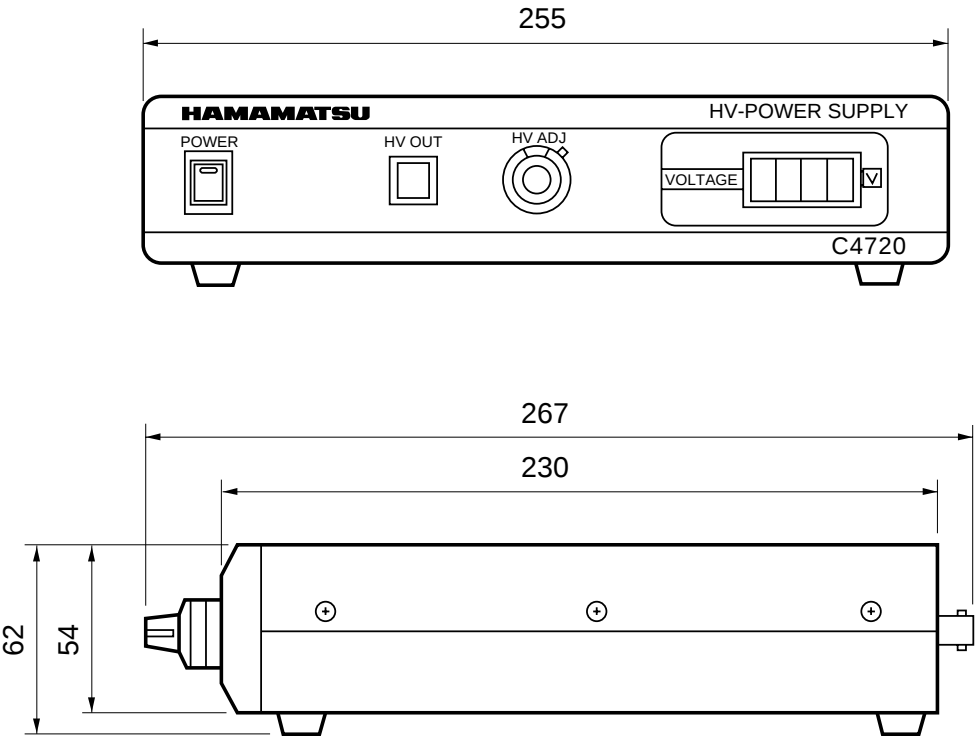


COMPACT BENCH-TOP TYPE REGULATED DC POWER SUPPLY C4720

ACCESSORIES

1. High voltage output cable (1.5m long) terminated with MHV-P plugs	1
2. Spare fuses	2
3. $\pm 5\text{V}$ mating plugs (HIROSE SR30-10PE-4P)	2
4. $\pm 15\text{V}$ mating plug (MIYAMA MC-032)	1
5. Instruction manual	1

DIMENSIONAL OUTLINES (Unit : mm)



TACCA0016EB

HAMAMATSU

HAMAMATSU PHOTONICS K.K., Electoron Tube Center
314-5, Shimokanzo, Toyooka-village, Iwata-gun, Shizuoka-ken, 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205
U.S.A.: Hamamatsu Corporation: 360 Foothill Road, Bridgewater. N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218
Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658
France: Hamamatsu Photonics France S.A.R.L.: 8, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10
United Kingdom: Hamamatsu Photonics UK Limited: Lough Point, 2 Gladbeck Way, Windmill Hill, Enfield, Middlesex EN2 7JA, United Kingdom, Telephone: (44)181-367-3560, Fax: (44)181-367-6384