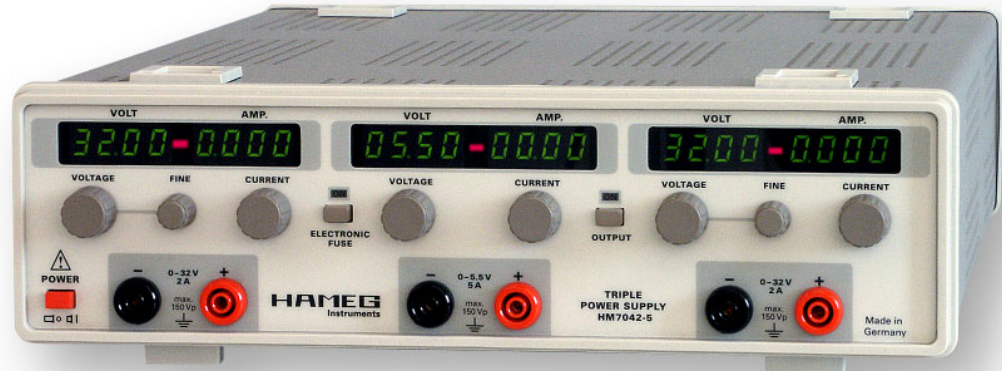


Triple Power Supply
HM 7042-5



2 x 0 – 32 V / 2 A and 1 x 0 – 5.5 V / 0 – 5 A

Independent floating outputs

Pushbutton for activating/deactivating outputs

Separate voltage and current displays for each output:
4 digits at channels I + III; 3 digits at channel II

Display resolution:
10 mV/1 mA at outputs I + III; ,10 mV/10 mA at output II

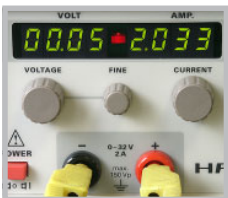
Adjustable current limit and electronic fuse for each output

Low ripple, high output power, very good regulation

Temperature-controlled fan

Parallel and series operation

Current limit indicator
(LED)



Silicon-insulated cable
HZ10



Triple Power supply HM7042-5 Specifications

(Valid at 23 degrees C after a 30 minute warm-up period)

Outputs

2 x 0-32 V + 0 ... 5.5 V	On/off pushbutton control. SMPS followed by a linear regulator. All outputs floating allowing parallel and series operation. Current limit each output, electronic fuse.
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Channel I + III (32 V)

Range:	2 x 0 – 32 V, continuously adjustable 2 knobs (coarse/fine)
Ripple:	< 100 μV_{rms} (3 Hz – 300 kHz)
Current:	max. 2 A
Current limit, electronic fuse:	0 – 2 A, continuously adjustable (knob)

Recovery time:

10 to 90 % load variation:	80 μs within $\pm 1\text{mV}$ of nominal value 30 μs within $\pm 10\text{mV}$ of nominal value 00 μs within $\pm 100\text{mV}$ of nominal value
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max. transient deviation: typ. 75 mV

50% basic load

10% load variation:	30 μs within $\pm 1\text{mV}$ of nominal value 05 μs within $\pm 10\text{mV}$ of nominal value 00 μs within $\pm 100\text{mV}$ of nominal value
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max. transient deviation: typ. 17 mV

Display:

7segment LED displays:	32.00V (4 digits) / 2.000A (4 digits)
Resolution:	0.01V / 1mA
Accuracy:	± 3 digits voltage / ± 4 digits current
LED:	shows current limit

Channel II (5.5 V)

Range:	0 – 5.5 V, continuously adjustable (knob)
Ripple:	< 100 μV_{rms} (3 Hz – 300 kHz)
Current:	max. 5 A
Current limit, electronic fuse:	0 – 5 A, continuously adjustable (knob)

Recovery time:

10 to 90 % load variation:	80 μs within $\pm 1\text{mV}$ of nominal value 10 μs within $\pm 100\text{mV}$ of nominal value
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max. transient deviation: typ. 170 mV

50% basic load

10% load variation:	30 μs within $\pm 1\text{mV}$ of nominal value 15 μs within $\pm 10\text{mV}$ of nominal value 00 μs within $\pm 100\text{mV}$ of nominal value
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max. transient deviation: typ. 60 mV

Display

7segment LED:	5.50 V (3 digits) / 5.00 A (3 digits)
Resolution:	0.01 V / 10 mA
Accuracy:	± 3 digits voltage / ± 1 digits current
LED:	shows current limit

Maximum ratings

Max. voltage applicable to output terminals (ON/OFF):

CH I + III:	33 V
CH II:	6 V
Reverse voltage:	max. 0.4 V
Reverse current:	max. 5 A
Voltage to earth:	max. 150 V

Miscellaneous

Protection class:	I acc. to EN 61010 (IEC 61010) with protective earth
Mains supply:	115V / 230 V _{AC} $\pm 10\%$, 50/60 Hz exchangable
Mains fuse:	115V: 2 x 5 A slow blow 5 x 20 mm 230V: 2 x 2.5 A slow blow 5 x 20 mm
Power consumption:	max. 330 VA / 250 W
Operating temperature:	0°...+40 degrees C
Storage temperature:	-20 ...+70 degrees C
Rel. humidity:	< 80% no condensation
Size (W x H x D):	285 x 90 x 389 mm (including any protruding parts)
Weight:	approx. 7,4 kg

Subject to change without notice

Included in delivery: HM7042-5 Power Supply,
Manual, line cord

Optional accessories: HZ10 Silicon-insulated cable
HZ42 19" rackmount kit