

Triple Power Supply HM8040-3

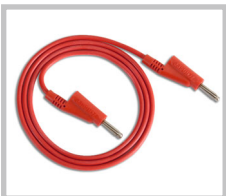


HM8040-3

Mainframe HM8001-2
required for operation



Silicone test lead HZ10R



- 2 x 0...20V/0.5A 1 x 5V/1A
- 3-digit switchable displays (Display resolution 0.1V/1 mA)
- Pushbutton for activating/deactivating all outputs
- Adjustable current limiting and electronic fuse
- Low residual ripple and low noise

Triple Power Supply (module) HM8040-3

All data valid at 23 °C after 30 minute warm-up

Outputs

2 x 0...20V and 5V Single pushbutton control of all outputs, linear regulators with overheating protection. Floating outputs for parallel/serial operation, current limit and electronic fuse

20 V Output

Setting range: 2 x 0...20V, continuously variable

Residual ripple: $\leq 1 \text{ mV}_{\text{rms}}$

Output current: max. 0.5 A

Current limit / electronic fuse: 0...0.5 A continuously variable

Dynamic behaviour:

Load change 10 %...90 % of full load

Recovery time: 200 μs

Dyn. transient deviation: typ. 2 mV

Dyn. output impedance: 3.75 m Ω

Load change at 50 % basic load and ± 10 % of full load

Recovery time: 150 μs

Dyn. transient deviation: 400 μV

Dyn. output impedance: 4 m Ω

5 V Output

Range: 5 V ± 0.5 V screw-driver adjustment

Ripple and noise: $\leq 1 \text{ mV}_{\text{rms}}$

Output current: max. 1 A continuous, short-circuit-proof

Combined displays of 20 V outputs

7-segment LED: 2 x 3-digit displays, each switchable for voltage and current (V, mA)

Resolution: 0.1 V/1 mA

Display accuracy: ± 1 digit voltage/ ± 4 digit current

LED: current limit indication

Maximum limits

Reverse voltage: 25 V, each output

Reverse current: 500 mA, each output

Voltage to ground: 100 V, each terminal

Temperature control: If the inside temperature exceeds 75...80 °C, the HM8040-3 will be turned off.

Miscellaneous

Safety class: Safety class I (EN61010-1)

Power supply (from mainframe):

1 x 8 V / 1 A

2 x 24 V / 530 mA

1 x 5 V / 400 mA

2 x 18 V_{ac} / 100 mA

($\Sigma = 40 \text{ W}$)

Current output

of 2 HM8040-3 with HM8001-2: sum of all channels < 2 A

Operating temperature: +5 °C...+40 °C

Storage temperature: -20 °C...+70 °C

Rel. humidity: 5%...80% (non condensing)

Dimensions (W x H x D): 135 x 68 x 228 mm

Weight: approx. 1.07 kg

Accessories supplied: Operator's Manual

Optional accessories: HZ10S/R Silicone test lead

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