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## 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/1mA)
- ✓ Pushbutton to activate/deactivate all Outputs
- ✓ Adjustable Current Limiting and Electronic Fuse
- ✓ Low Residual Ripple and Low Noise

## Triple Power Supply HM8040-3

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

### Outputs

**2 x 0...20V/0,5A and 5V/1A** Single pushbutton control of all outputs, linear regulators with overheating protection. Floating outputs for parallel/serial operation, current limit and electronic fuse

### 20V Output

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

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

**Output current:** max. 0.5A

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

**Dynamic behaviour:**

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

**Recovery time** 200  $\mu\text{s}$

**Dyn. transient deviation** typ. 2 mV

**Dyn. output impedance** 3.75 m $\Omega$

**Load change at 50 % basic load and  $\pm 10$  % of full load:**

**Recovery time** 150  $\mu\text{s}$

**Dyn. transient deviation** 400  $\mu\text{V}$

**Dyn. output impedance** 4 m $\Omega$

### 5V Output

**Range:** 5V  $\pm 0.5\text{V}$  screwdriver adjustment

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

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

### Combined displays of 20V outputs

**7-segment LED:** 2 x 3-digit displays, each can be switched to display either voltage (V) or current (mA)

**Resolution:** 0.1V/1 mA

**Display accuracy:**  $\pm 1$  digit voltage/ $\pm 4$  digit current

**LED:** current limit indication

### Maximum limits

**Reverse voltage:** 25V, each output

**Reverse current:** 500mA, each output

**Voltage to ground:** 100V, each terminal

**Temperature control:** If the internal temperature exceeds 75...80 °C, the HM8040-3 will be switched off automatically.

### Miscellaneous

**Safety class:** Safety class I (EN61010-1)

**Power supply** 1 x 8V/1A

**(from mainframe):** 2 x 24V/530 mA

1 x 5V/400 mA

2 x 18V<sub>ac</sub>/100 mA

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

**Current output of**

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

**Operating temperature:** +5...+40 °C

**Storage temperature:** -20...+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:** Operating manual, CD

**Recommended accessories:**

HZ10S 5 x silicone test lead (measurement connection in black)

HZ10R 5 x silicone test lead (measurement connection in red)

HZ10B 5 x silicone test lead (measurement connection in blue)