

PSU 130

1.5 to 30V/1Amp

Adjustable Benchtop Power Supply

FEATURES

- Wide input voltage range : 100 - 240 V a.c. / 47 - 63 Hz
- Continuously variable 1.5 to 30V d.c. regulated output
- 0 to 1A output current
- Over-voltage, over-current and short-circuit protection
- Excellent regulation, low ripple
- Independent digital voltage and current indication with LED backlighting
- High efficiency design with low heat output
- Standard test lead connections on 19 mm (0.75") spacing
- Compact : 135 x 140 x 53 mm (5.3 x 5.5 x 2.1")
- Lightweight : 520g (18.3oz)

ORDERING INFORMATION

Standard Data Logger (Data Logger, Software on CD, Battery)	EL-USB-1
Replacement Battery	BAT 3V6

RoHS



The PSU 130 is a compact, lightweight bench-top power supply in a stylish enclosure. Designed as an affordable yet highly functional piece of lab equipment, the PSU 130 is commonplace in Engineering/Test departments worldwide.

Connection to the power supply is via standard pitch 4mm sockets. The output voltage can be set to within 0.1V, using the adjustment dial on the front of the PSU 130. A large backlit LCD displays the output voltage and the current being drawn. The PSU 130 measures only 135 x 140 x 53mm (5.3" x 5.5" x 2.1") and can be tilted to adjust the viewing angle of the display.

Specifications	Minimum	Typical	Maximum	Unit
Input voltage	100		240	V a.c.
Input frequency	47		63	Hz
Input current	50		650	mA _{max}
Safety ground leakage current (@220 V a.c. / 50 Hz)		0.3		mA
Output voltage	1.5		30	V d.c.
Maximum output current		1.2		A d.c.
Line regulation - (10% line voltage change)			1	%
Ripple and Noise, 20MHz BW			100	mV p-p
Operating temperature*	0		+40	°C
Storage temperature*	-10		+60	°C

* At <75% RH, non condensing

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FUNCTIONS



- ① Standard Worldwide AC power input supplied with either UK, US or Euro lead.
- ② ON/OFF isolation switch.
- ③ Standard 4mm terminals on a 19mm pitch - recessed for safety.
- ④ Adjustable output potentiometer with a firm $\frac{3}{4}$ turn (270°) action.
- ⑤ Orange backlit LCD providing clear indication of voltage and current.
- ⑥ Stylish enclosure design.
- ⑦ Full UL / CE approval.

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