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PSU 130

- 1.5 to 30V d.c. output
- 0 to 1A output current
- 100 to 240V a.c. input
- Over-voltage/current protection
- Short circuit protection

✓ 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.

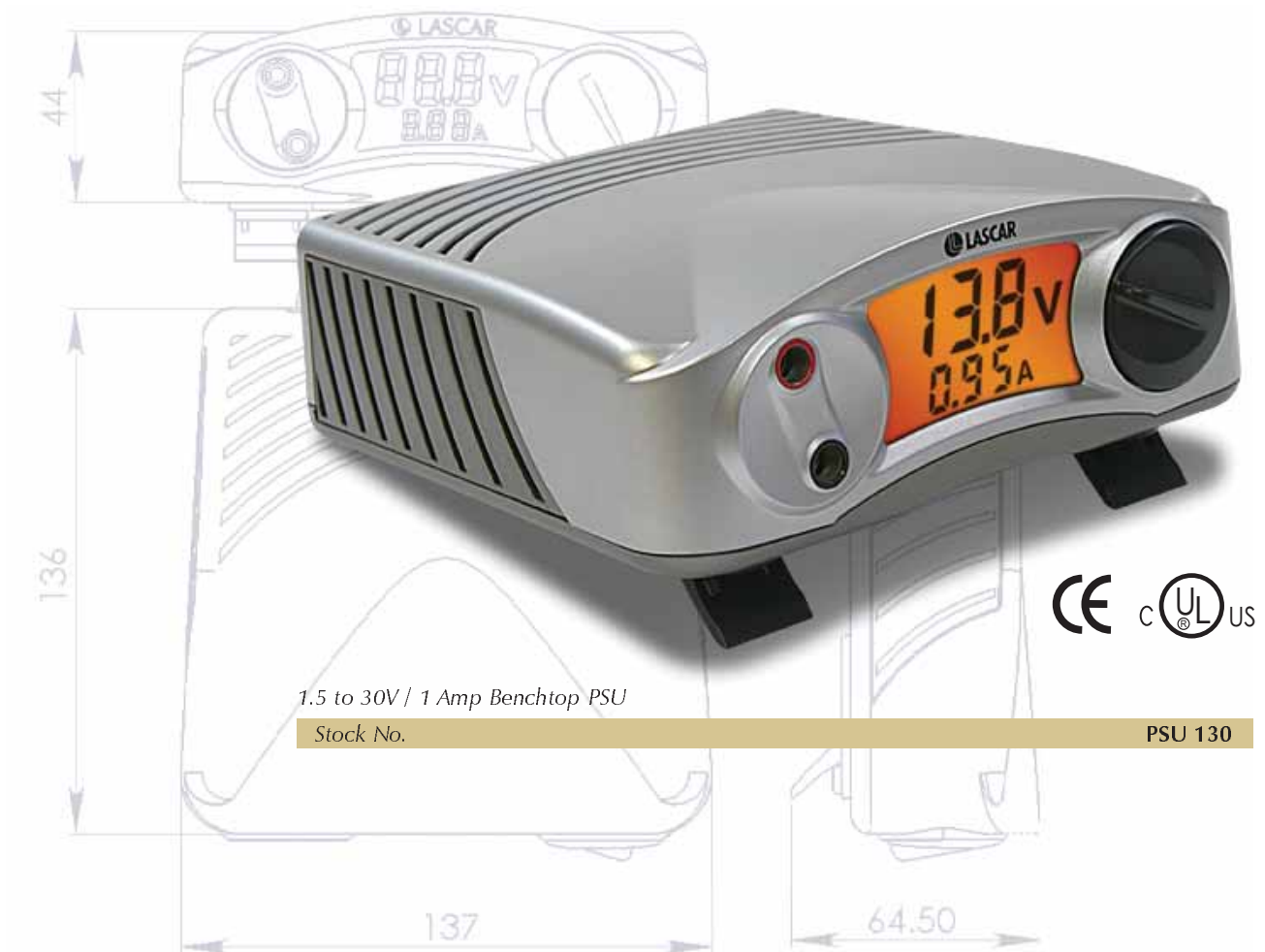
This is a popular part, normally stocked in high quantity and suitable for new designs.

BENCHTOP PSU

1.5 to 30V / 1AMP ADJUSTABLE BENCHTOP POWER SUPPLY



The PSU 130 is a compact, lightweight benchtop power supply. Designed as an affordable yet highly functional piece of lab equipment, the PSU 130 will be commonplace in Engineering/Test departments worldwide.



Features

- Wide input voltage range : 100 - 240 Va.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
- Supplied with screw terminal adaptor block
- 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)

Functions



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

Specification	Min	Typ	Max	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