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- Autoranging output**
  - provides wide range V and A
- Small size**
  - takes up little bench space and will rack or stack
- Light weight**
  - lots of useful power yet easy to move around
- Constant voltage (CV) or constant current (CI) output with automatic changeover**
- Output enable switch**
  - aids setting up
- 10 turn controls and digital meters**
  - for high resolution settings

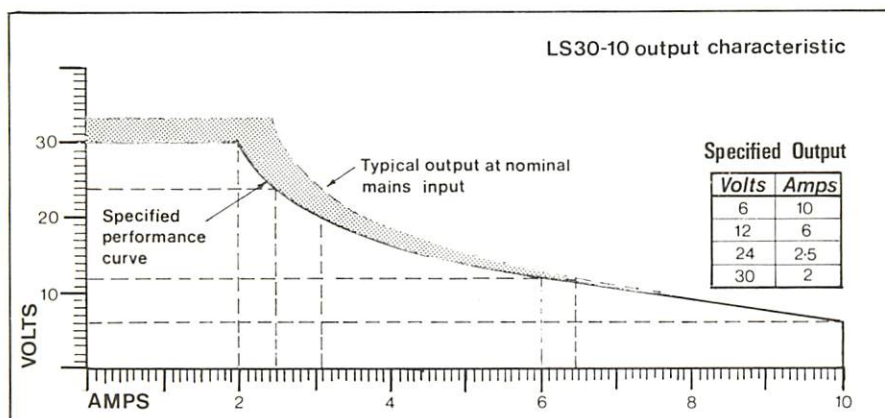
The LS30-10 autoranging bench power supply utilises switch mode techniques to provide a d.c. power up to 60 watts over a wide range of voltage and current combinations. The unit is small and light weight and will rack or stack with a variety of measuring instruments and signal sources from Farnell taking up minimum bench space and providing functional work units for engineers and students.

The output is adjustable for near zero to maximum volts and from near zero to maximum amps by the 10-turn front panel controls. Separate digital panel meters indicate voltage and current settings and the autoranging

characteristic of the LS30-10 is shown graphically on the front panel to aid the selection of suitable voltage and current combinations.

To enable the operator to monitor operating status, the power supply is provided with LED indication of 'output enabled' and 'CV' or 'CI' operation. Should the user try and operate the supply outside the power curve a 'power limit' LED illuminates to warn of invalid setting. No damage will occur to the unit because of the inherently safe CV/CI characteristics.

Please note this information is provisional and subject to change. Units not available until the third quarter of 1986.



#### Mains input

230V a.c.  $\pm 14\%$  or 115V a.c.  $\pm 14\%$  48-63Hz

#### Output control

Front panel multiturn potentiometer for control of voltage and current

#### Line regulation

Less than 0.01% +2mV in CV mode

Less than                    in CI mode

(for a 10% change of a.c. input from nominal)

#### Load regulation

Less than 0.01% +2mV in CV mode

Less than                    in CI mode

(for a zero to full load change)

#### Ripple and noise

$\Delta f = 20\text{Hz}$  to 20MHz

Typically 4mV r.m.s./10mV p-p

#### Metering

Separate voltage and current meters

3 digits large red LEDs

Also LED indication of CV and CI operating modes and Power Limit

#### Environmental

Operating temperature 0 to 40°C

Storage temperature -20 to +60°C

Cooling by convection

#### Dimensions (mm)

90H  $\times$  220W  $\times$  260D

#### Weight

< 2.2kg

Important notice: Provisional details subject to change. Units not available until 3rd quarter '86.

**ORDER CODE: 11LS3010**