Lab Breadboard

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(New Nov 07)

(8 Bit ASCII Graphics use code page 437 or 850)

Many years ago I bought a scrap AT102 Digital Lab by "A-Tek". It is a mains powered electronics breadboard laboratory using 0.5mm wire connectors. I have use it quite a bit, but there is no reason why anyone could not build up there own version of breadboard lab.

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**POWER SUPPLY:** a multi wound & tapped transformer provides DC voltages to various regulators to give;  
- Fixed: +5V DC @ 2A max, & -5V DC @ 500mA max. A floating +5V for the DVM, Variable: 0 +18V DC @ 800mA max, & 0 -18V DC @ 500mA max.

**OSCILLATOR:** 1Hz - 100KHz in 4 decade ranges. output:-  
Square, & Ramp Outputs ± 5V. Sine output variable to ±3V constant level with filtered buffer amp.

**AF AMPLIFIER & LS:** (added by me) High gain audio monitor amplifier & gain control with internal LS or 1W into 8Ω 3.5mm output jack. 100k input Z.

**LOGIC TOOLS:**
- 4 logic level switches 0 5V,
- 2 centre off logic level switches -5 0+5V,
- 2 Press buttons +5v or 0V pressed.
- A J-K Flip Flop gate.
- 8 data display LEDS with drivers, +5V for on.
- 2x 7 segment displays with drivers.

**COMPONENT PATCH BREAD BOARDS**
- Two 48 row component boards for 0.5mm wires etc.
- For 0.4" DIL ICs, bus surround. & for 0.2" DIL ICs, bus surround.
EXTERNAL CONNECTION CONVERTERS
Four 4mm wander sockets to wire sockets.

3½ DIGIT DC VOLT METER
Isolated meter, 10MΩ Input.
Ranges 0-200mV, 0-2V, 0-20V, 0-200V.

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP