



pot is connected to the junction of R1/C2. The RF gain control varies the voltage on gate 2 of Q1, varying its gain. In practice ample gain reduction is obtained while still permitting the converter to operate at full gain when required.

If you don't want the expense of a

crystal in the converter then simply short out R8 and adjust L7 to peak a signal on 146 MHz.

The base-bias resistor for the class-B detector (22 k on the circuit here) will most likely need to be chosen individually to account for the characteristics of the particular transistor used. It may be

as low as 10k or as high as 39k, perhaps. Substitute resistors until you get the maximum sensitivity.

I mounted (crammed is a better word) all the electronics in a convenient zippy box with the two pots mounted on the front panel, along with a coax antenna socket. The speaker I used measured 30 mm across the cone and fitted neatly on one of the box walls. A small phones jack I mounted on another wall. A No. 216 9V battery is quite adequate, but you may have to add a hefty bypass electrolytic somewhere to avoid low frequency audio feedback ('motorboating'). Decouple the detector and converter supply rails with 220 ohm resistors and large value electrolytic capacitors if you have difficulty getting rid of this problem.

The whole set up is remarkably sensitive and a 2 μ V signal at the antenna can be clearly heard at maximum RF gain. You can start sniffing when quite some distance from the fox, long before the simpler sniffers can be used. ●

WHAT'S NEW FROM I.M.S.? A COMPLETE S-100 COMPUTER IN A TERMINAL!! A DELUXE WORD PROCESSING TERMINAL!!

INDUSTRIAL MICRO-SYSTEMS

DP 2000 Specifications

● IEEE S-100 Bus ● DMA disk controller ● Floppy disk storage to 600K on board ● Hard disk storage to 6MB on board ● Hard disk storage to 96MB total ● Z-80A processor at 4MHz ● Interrupt driven ● Up to 128K core RAM (with parity). PLUS the same terminal specs as the WP 2000.

WP 2000 Specifications

● Z80 microprocessor control ● LSI CRT controller ● EPROM character generator for special character set ● Control program expandable to 8K ● High resolution video monitor ● 80x24 character display ● 25th status line with user message capability ● True IBM Selectric keyboard layout ● Full ASCII character set ● 10 key numeric pad ● 15 key cursor positioning and editing keys ● 8 special function keys ● Non-contact, Hall effect keyboard for smooth feel and no key bounce ● 9x13 dot matrix ● Normal and reverse video ● Blinking, underlined and highlighted fields ● Up to 19.2K Baud ● Removable keyboard ● Printer and light pen interface ● Automatic self-test ● Upper and lower case with descenders ● 2 page memory ● Insert or delete a line or character ● Clear screen ● Clear to end of line ● Clear to end of screen ● Available in white or green phosphor.



DP 2000 Stand-alone Computer (shown).
WP 2000 Word Processing Terminal (not shown).

S.I. MICROCOMPUTER PRODUCTS PTY LTD

Formerly Sigma International Pty. Ltd.

GPO BOX 72 SYDNEY 2001 92 PITT ST SYDNEY (02) 2314091 232 6804
Melbourne (03) 26-5522. Brisbane (07) 52-8455. Hobart (002) 28-6288.