Manufacturers of
High Frequency
Communications
Systems

▶ signal/one ®

1915 W. ADOBE DRIVE, PHOENIX, ARIZONA 85027 (602) 581-0056

THE NEW MILSPEC 1030C HF TRANSCEIVER FULLY SYNTHESIZED.
100kHz – 30 MHz IN 10 Hz STEPS. BUILT-IN RS232 COMPUTER INTERFACE.
MS1030C COMPUTER CONTROL AND INTEGRATED RTTY OPERATION,
1030 RTTY SOFTWARE. BUILT-IN HF MODEM. SSB • CW • RTTY • AM • FM MODES.
MOTOROLA® FINAL AMPLIFIER 160 WATT RF POWER OUTPUT CONTINUOUS DUTY.
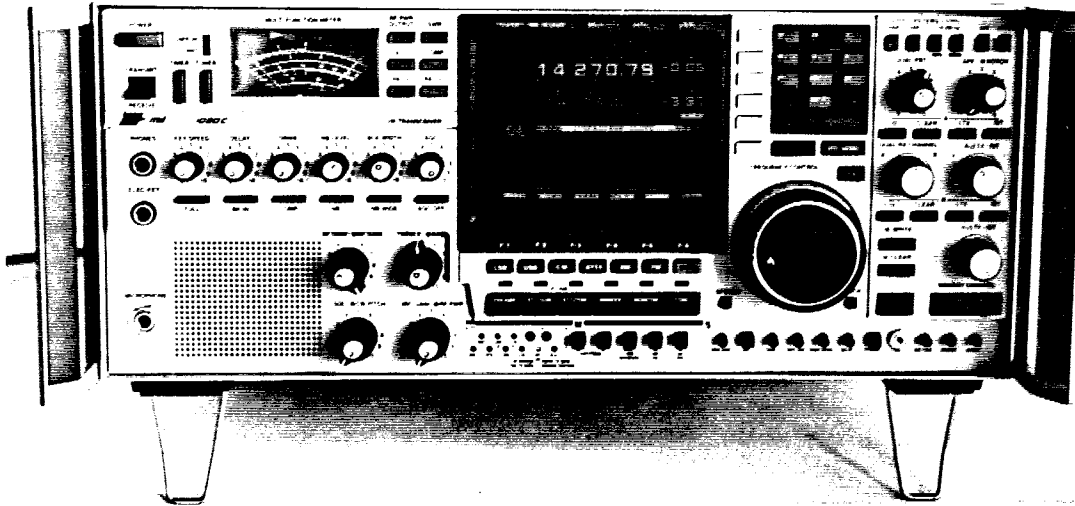
ORDERING INFORMATION

MILSPEC 1030C HF TRANSCEIVER $9,650.

FOR COMPLETE SPECIFICATIONS, PRICING AND DELIVERY CALL DON ROEHRS
HF ENGINEERING SIGNAL/ONE.

OPTIONS

OPT.01-Add built-in RS232 Computer interface   + $3,800.
OPT.02-Add built-in HF RTTY/Packet/Amtor Modem + $2,200.

DESCRIPTIONS – EQUIPMENT SPECIFICATIONS – SYSTEM DESCRIPTIONS.

1. General Description: An HF transceiver with multi-functional 5" amber CRT;
display of A/B frequencies; memories; 2 menu screens; 15 operational screens;
packet and amtor data; built-in frequency spectrum analyzer; fully synthesized;
digital main tuning control; continuous tuning 100KHz to 30MHz receive, 1.8MHz
to 30MHz transmit in 10Hz steps; tunable with front panel optical encoder or
12 keypad frequency set; split tuning A/B with 99 digital frequency memory channels;
built-in dual receive frequency control simultaneously receives 2 independent
frequencies with independent A/B frequency tuning and dual receive channel mixing
control, front panel selected; built-in AC switching power supply; military
frequency stability $\pm$ 10Hz; separate controls for "A" section and "B" section,
receiver incremental tuning and delta transmit offset; synthesized IF dual
passband tuning; 160 watts CW/PEP transmit power output continuous duty; internal
and external blowers; thermostatically controlled cooling; transmit RF clipping;
pre-IF adjustable noise blanker; IF notch filter; automatic antenna tuner built-in;
remote control of all front panel functions and programability via internal RS232
computer interface; software included provides 142 separate transceiver commands
including: read signal strength, read transmit power output, read transmit SWR, scan
frequency range, signal level threshold trip, and ASCII station call sign recognition
alert/alarm – RTTY computer enable for full transceiver control by external Zenith
150T/200T/Z248/T348 IBM compatible computer keyboard; supplied 1030RTTY teletype
software and MS1030C hardware interface directly via RS232/MIL188 to NSA KG84C
cryptographic equipment for military secure communications systems*; built-in HF
radio AFSK modem (TNC) for MARS, RTTY operations at 45, 75, 110, 150, and 300 baud;
MARS integrated software featuring both simultaneous transceiver control/monitoring
and RTTY operations for enhanced message/traffic handling including HF and VHF packet
modes and MORSE code(CW) display of monitored RTTY data on MS1030C CRT; 8 automatic
antenna patch panel relay controls via antenna front panel control up/down switch and
an external. equipment.control line and external analog monitoring input, addressable
and monitored via RS232 internal interface commands.

* Currently in use at 15 U.S.Marine Corps bases. Contract #M00027-87-C-0076.