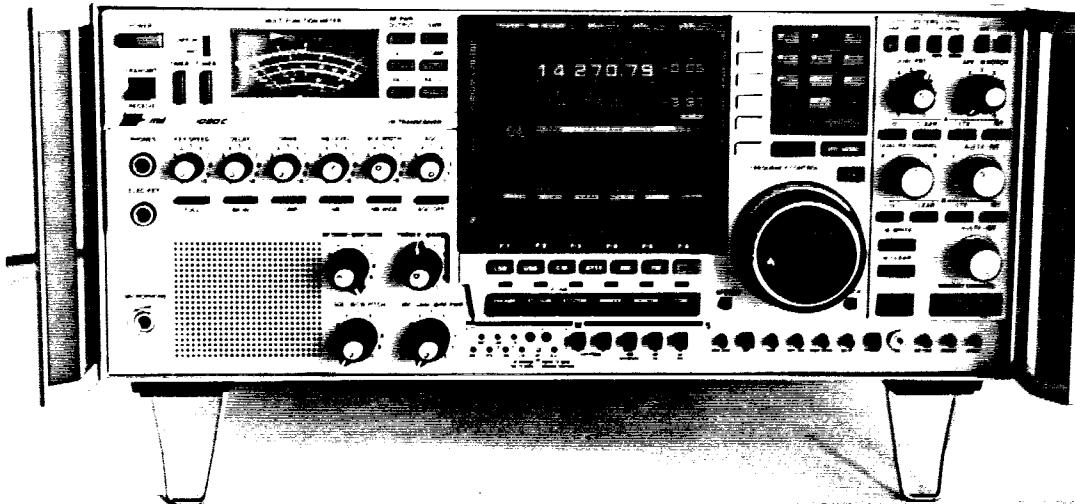




Manufacturers of  
High Frequency  
Communications  
Systems

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 ROEHR'S  
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  $\pm 10$ Hz; 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.