

Equipment Used To Prepare  
Specifications. ....

Heath IM-11 VTVM with 309-C RF Probe.  
 Heath HO-10 Monitorscope.  
 Heath IG-72 Audio Generator.  
 Heath IM-12 Distortion Meter.  
 Heath HN-31 Cantenna.  
 Panoramic Radio Products, Inc. "Panalyzer,"  
 Model SB-12A.  
 General Radio Co., Signal Generator, Model  
 1001-A.  
 Tektronix Oscilloscope, Model 515A.  
 Esterline Chart Recorder, Model AW.  
 Boonton RF Voltmeter, Model 91-CA.

Equipment Used To Check And Calibrate. ....

VTVM and RF Probe.  
 Frequency standard.  
 Crystal calibrated receiver, covering the 80-  
 meter band, or an accurate broadcast receiver.

All prices are subject to change without notice.  
 The Heath Company reserves the right to discon-  
 tinue instruments and to change specifications at

any time without incurring any obligation to  
 incorporate new features in instruments pre-  
 viously sold.

## INTRODUCTION

NOTE: An Amateur Radio License that provides  
 General Class privileges is required to operate  
 this Transceiver on the air.

The Heathkit Model HW-12 Amateur Transceiver  
 is an 80-meter SSB (single-sideband) trans-  
 mitter and receiver designed for both mobile  
 and fixed station use.

The receiver and transmitter are locked to-  
 gether with the continuously running VFO to  
 insure that both sections operate at the same  
 frequency. The low frequency VFO is tempera-  
 ture compensated to provide stable operation.

Provisions have been made for PTT (push-to-  
 talk) operation. A VOX (voice operated trans-  
 mitter) circuit is designed into the Transceiver.

Other features include ALC (automatic level con-  
 trol) to prevent the transmitter from overload-  
 ing, and AVC (automatic volume control) to main-  
 tain constant receiver output over a wide range  
 of input signal strength.

An accessory socket is wired into the circuit  
 for the Heathkit Model HRA-10-1 Crystal Cali-  
 brator to provide accurate frequency checks at  
 100 kc intervals. A connection on the rear of the  
 Transceiver for switching an external relay  
 makes the Transceiver easily useable with  
 a linear amplifier. Power for the Transceiver  
 can be obtained from the Heathkit Model HP-13  
 (12 VDC) or Model HP-23 (120 VAC) Power  
 Supply. Equivalent power supplies can be used.