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**BULLETIN**

730A  
 2-21-63

There was no Type 730

TYPE 730A

VHF-UHF COMMUNICATIONS RECEIVER

*Special  
 New Built*

The CEI Type 730 Receiver was specifically designed to cover all the VHF aircraft navigational aids and the VHF and UHF aircraft communications band. It is a highly compact receiver tuning from 60 mc to 500 mc, continuous in two bands. AGC is applied to the RF stages in order to handle large signal levels without overloading.

Type of Reception	AM - CW
Frequency Range	60-500 mc Band A: 60-300 mc Band B: 235-500 mc
Image Rejection	50 db, min. Band A 65 db, min. Band B
Input Impedance	To operate from a 50 $\Omega$ source
Noise Figure	6.5 db, max. Band A 10 db, max. Band B
IF Rejection	80 db, min.
Oscillator to Antenna Conduction	25 $\mu$ v, max. Band A 8 $\mu$ v, max. Band B
IF Bandwidths	300 kc and 30 kc
Sensitivity	
300 kc bandwidth - Band A	4 $\mu$ v produces at least 11 db S/N for 50% modulation
300 kc bandwidth - Band B	8 $\mu$ v produces at least 10 db S/N for 50% modulation
30 kc bandwidth - Band A	<u>1.5</u> $\mu$ v produces at least 11 db S/N for 50% modulation
30 kc bandwidth - Band B	<u>3</u> $\mu$ v produces at least 10 db S/N for 50% modulation

Communication  Electronics, Inc.

4908 HAMPDEN LANE

BETHESDA, MARYLAND

301-654-8860

Type 730 Receiver

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Meters	Signal Strength
Outputs	1. Audio - separate transistorized amplifier capable of delivering 0.1 watt into a 600 $\Omega$ balanced or unbalanced load.
	2. SM - for operation of signal display scope.
Output Stability	3. <i>AGC Voltage to drive recorder</i> Output varies less than 15 db for input range of 4-10,000 $\mu$ v
Squelch Sensitivity	0.7 $\mu$ v (at antenna input) or better at maximum gain.
Carrier Operated Relay Sensitivity	Adjustable from 1-10,000 $\mu$ v input
Power Input	115 v, 50-400 cps
Power Consumption	50 watts (approximately)
Weight	20 lbs (approximately)
Size	19" x 3 1/2" x 15"

Price

F.O.B. Bethesda, Maryland. Taxes extra where applicable.  
Prices and specifications subject to change without notice.