

SPECIFICATIONS

TRANSMITTER Model GDA-19-1

RF Carrier Frequency.	One of the following, crystal-controlled:																		
	<table> <thead> <tr> <th><u>27 MHz Band</u></th> <th><u>53 MHz Band</u></th> <th><u>72 MHz Band</u></th> </tr> </thead> <tbody> <tr> <td>26,995 MHz</td> <td>53,100 MHz</td> <td>72,080 MHz</td> </tr> <tr> <td>27,045 MHz</td> <td>53,200 MHz</td> <td>72,240 MHz</td> </tr> <tr> <td>27,095 MHz</td> <td>53,300 MHz</td> <td>72,400 MHz</td> </tr> <tr> <td>27,145 MHz</td> <td>53,400 MHz</td> <td>72,960 MHz</td> </tr> <tr> <td>27,195 MHz</td> <td>53,500 MHz</td> <td>75,640 MHz</td> </tr> </tbody> </table>	<u>27 MHz Band</u>	<u>53 MHz Band</u>	<u>72 MHz Band</u>	26,995 MHz	53,100 MHz	72,080 MHz	27,045 MHz	53,200 MHz	72,240 MHz	27,095 MHz	53,300 MHz	72,400 MHz	27,145 MHz	53,400 MHz	72,960 MHz	27,195 MHz	53,500 MHz	75,640 MHz
<u>27 MHz Band</u>	<u>53 MHz Band</u>	<u>72 MHz Band</u>																	
26,995 MHz	53,100 MHz	72,080 MHz																	
27,045 MHz	53,200 MHz	72,240 MHz																	
27,095 MHz	53,300 MHz	72,400 MHz																	
27,145 MHz	53,400 MHz	72,960 MHz																	
27,195 MHz	53,500 MHz	75,640 MHz																	
Frequency Stability.	Within $\pm 0.005\%$ on 27 MHz band, Within $\pm 0.002\%$ on 53 and 72 MHz bands.																		
Temperature.	0 degrees to + 160 degrees F.																		
RF Output Circuit.	Pi network.																		
RF Input Power.	500 mW.																		
Modulation.	ON-OFF carrier keying.																		
Approximate Current Drain.	100 mA on all bands.																		
Controls	Five channels; four with trim, ON-OFF switch.																		
Power Supply.	Internal 9.6 volt nickel-cadmium battery. Rechargeable simultaneously with receiver battery at 35 to 40 mA from 120 volt power line.																		
Dimensions.	6-3/8" high x 6-3/4" wide x 2-7/16" deep.																		
Net Weight, with battery.	2-3/4 lbs.																		



RECEIVER Model GDA-19-2

RF Carrier Frequency.	One of the following, crystal-controlled:																		
	<table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">27 MHz Bands</th> <th style="text-align: left; border-bottom: 1px solid black;">53 MHz Bands</th> <th style="text-align: left; border-bottom: 1px solid black;">72 MHz Bands</th> </tr> </thead> <tbody> <tr> <td>26,995 MHz</td> <td>53,100 MHz</td> <td>72,080 MHz</td> </tr> <tr> <td>27,045 MHz</td> <td>53,200 MHz</td> <td>72,240 MHz</td> </tr> <tr> <td>27,095 MHz</td> <td>53,300 MHz</td> <td>72,400 MHz</td> </tr> <tr> <td>27,145 MHz</td> <td>53,400 MHz</td> <td>72,960 MHz</td> </tr> <tr> <td>27,195 MHz</td> <td>53,500 MHz</td> <td>75,640 MHz</td> </tr> </tbody> </table>	27 MHz Bands	53 MHz Bands	72 MHz Bands	26,995 MHz	53,100 MHz	72,080 MHz	27,045 MHz	53,200 MHz	72,240 MHz	27,095 MHz	53,300 MHz	72,400 MHz	27,145 MHz	53,400 MHz	72,960 MHz	27,195 MHz	53,500 MHz	75,640 MHz
27 MHz Bands	53 MHz Bands	72 MHz Bands																	
26,995 MHz	53,100 MHz	72,080 MHz																	
27,045 MHz	53,200 MHz	72,240 MHz																	
27,095 MHz	53,300 MHz	72,400 MHz																	
27,145 MHz	53,400 MHz	72,960 MHz																	
27,195 MHz	53,500 MHz	75,640 MHz																	
Frequency Stability.003% on 27 MHz band, .002% on 53 and 72 MHz bands.																		
Temperature Range.	0 degrees to +160 degrees F.																		
Sensitivity.	5 μ V.																		
Selectivity.	6 dB down at \pm 4.0 kHz, 30 dB down at \pm 9.0 kHz.																		
Approximate Current Drain.	6 mA.																		
Intermediate Frequency.	453 kHz.																		
Power Supply.	Heath GDA-19-3 Battery Pack.																		
Controls.	ON-OFF switch.																		
Dimensions.	25/32" high x 2" wide x 2-7/32" deep.																		
Net Receiver Weight.	2.3 oz.																		

RECEIVER BATTERY Model GDA-19-3

Type.	Nickel-cadmium. Rechargeable simultaneous with the transmitter batteries at 35 to 40 mA from the 120 volt power line.
Voltage.	+2.4 V and +4.8 V outputs.
Current Rating.	500 mA hours.
Dimensions.	5/8" high x 2-1/8" wide x 2-3/8" deep.
Net Weight.	3.9 oz.

SERVO Model GDA-19-4

Input Signal,	Pulse: 1 to 2 milliseconds wide; 4 volts peak-to-peak.
Thrust,	3.25 lbs. minimum.
Transit Time for 5/8" Travel,	0.7 seconds.
Linear Output Travel,	5/8" end-to-end.
Rotary Output Travel,	Over 100 degrees rotation (end-to-end).
Temperature Range,	0 degrees to +160 degrees F.
Power (Battery) Requirements,	Idling Current: 2 mA, Stall Current: 350 mA, No Load Running Current: 80 mA typical.
Total Gear Train Backlash,	Less than .002".
Mechanical Output,	1 - rotary arm, 1 - rotary wheel, 2 - linear arms.
Position Accuracy,	±0.5%.
Dimensions,	1-3/4" high x 15/16" wide x 3-1/16" long. (Length includes mounting ears. Height includes linear arms.)
Net Weight,	2.5 oz.

GENERAL

Complete Airborne System Weight,	16.6 oz. (1 Receiver, 1 Receiver Battery, 1 Switch, and 4 Servos).
Total Flying Time,	Four hours minimum (with batteries fully charged).

The Heath Company reserves the right to discontinue products and to change specifications at any time without incurring any obligation to incorporate new features in products previously sold.