

## SYSTEM 55 SPECIFICATIONS

### Programmer/Computer

Power required:	14/28 VDC
Weight:	3.0 lbs.
Dimensions:	6.25 X 1.50 X 10.60 in.
TSO, Autopilot:	FAA C9c
TSO, Flight Director:	FAA C52a

**Note:** Unit will operate with either 14 or 28 VDC input; however, internal circuit board assemblies must be set up for a specific voltage.

### Turn Coordinator

Power required	14/28 VDC
Flag voltage detector operating limits:	9.0 VDC (approx.)
Flag RPM detector operating limits:	Nominal RPM less 20%
Current requirements:	0.3 Amp
Weight:	1.8 lbs.
Dimensions:	3.28 X 3.28 X 5.62 in.

### Directional Gyro

Power required:	Vacuum or pressure, 4.5 to 5.2 in. Hg
Minimum air flow:	2.2 CFM
Air filtration:	3 micron, 95%
Autopilot pickoff:	AC, linear transformer, 5 KHz, 8 VAC (pp), (supplied by Autopilot)
Weight:	3.4 lbs.
Dimensions:	3.38 X 3.38 X 8.35 in.
Internal lights:	14/28 VDC

### Roll Servo

Power required:	14/28 VDC
Current requirements:	Included in System current requirements
Weight:	2.9 lbs.
Dimensions:	3.75 X 3.75 X 7.25 in.

(cont.)

## Specifications (cont.)

### Pitch Servo/Trim Sensor

Power required:	14/28 VDC
Current requirements:	Included in System current requirements
Weight:	2.9 lbs.
Dimensions:	3.75 X 3.75 X 7.25 in.

### Altitude Pressure Transducer

Power required:	10 VDC (supplied by Programmer/Computer)
Pressure range:	0 - 15 PSI absolute
Overpressure:	150% of operating maximum
Weight:	0.2 lbs.

### System Current Requirements

(Approximate)	@ 14 VDC	@ 28 VDC
Average operating current:	1.0 Amp	0.5 Amp
Maximum current:	5.0 Amp	3.0 Amp

## Options

### Remote Annunciator

Power required:	0.2 Amp (max)
Weight:	0.75 lbs.
Dimensions:	1.60 X 3.42 X 3.80 in.

### Flight Director Steering Horizon

(Requires installation of Remote Annunciator)

Power required:	Vacuum or pressure, 4.5 to 5.2 in. Hg
Weight:	3.0 lbs.
Dimensions:	3.50 X 3.50 X 6.92 in.
Internal lights:	14/28 VDC

(cont.)

## Specifications (cont.)

### Automatic Elevator Trim

Power required:	14/28 VDC
Current requirements:	Included in System current requirements
Weight:	Included in System weight
Dimensions:	(internal, Programmer/Computer)

### Trim Servo

Power required:	14/28 VDC
Current requirements:	0.5 Amp (avg.), 2.0 Amp (max)
Weight:	2.9 lbs.
Dimensions:	3.75 X 3.75 X 7.25 in.

### Other available options not covered in this Handbook:

ST-180 Slaved Horizontal Situation Indicator System

ST-360 Altitude Selector/Alerter

Yaw Damper (approved for many single and twin engined aircraft)

*Call or visit your nearest S-TEC Dealer for more details*