



AUTOPILOT / AUTOMATIC FLIGHT CONTROLS TRAINER

Train for Tomorrow TODAY

Avitek is dedicated to bridging the gap between classroom instruction and practical, hands-on training. Our Model APT-4 Autopilot / Automatic Flight Controls Trainer makes it an excellent resource for training aircraft maintenance engineers by providing them a complete system that encompasses all the aspects of autopilot and automatic flight controls. Model APT-4 is based on a unique concept in aviation training and Avitek is the only manufacturer that offers it.

Model APT-4 consists of three axes flight control computer, Mode Controller, Mode Annunciator, Pitch / Yaw / Roll servos, Flight Director, and HSI System integrated with cockpit controls having control linkages to the control surfaces of model aircraft.

The visual display of realistic flight effects enhances the perception and understanding of flight controls.



The demonstrations on Model APT-4 can substitute hours of verbal explanation of autopilot and automatic flight controls, besides stimulating students' interest by a realistic display.



The trainer has a modular design. The basic configuration consists of 10 ft. wingspan model airplane with all the main control surfaces (rudder, elevator, aileron and trims). Model APT-4 is equipped with a complete control mechanism linked to a control column and rudder pedals.

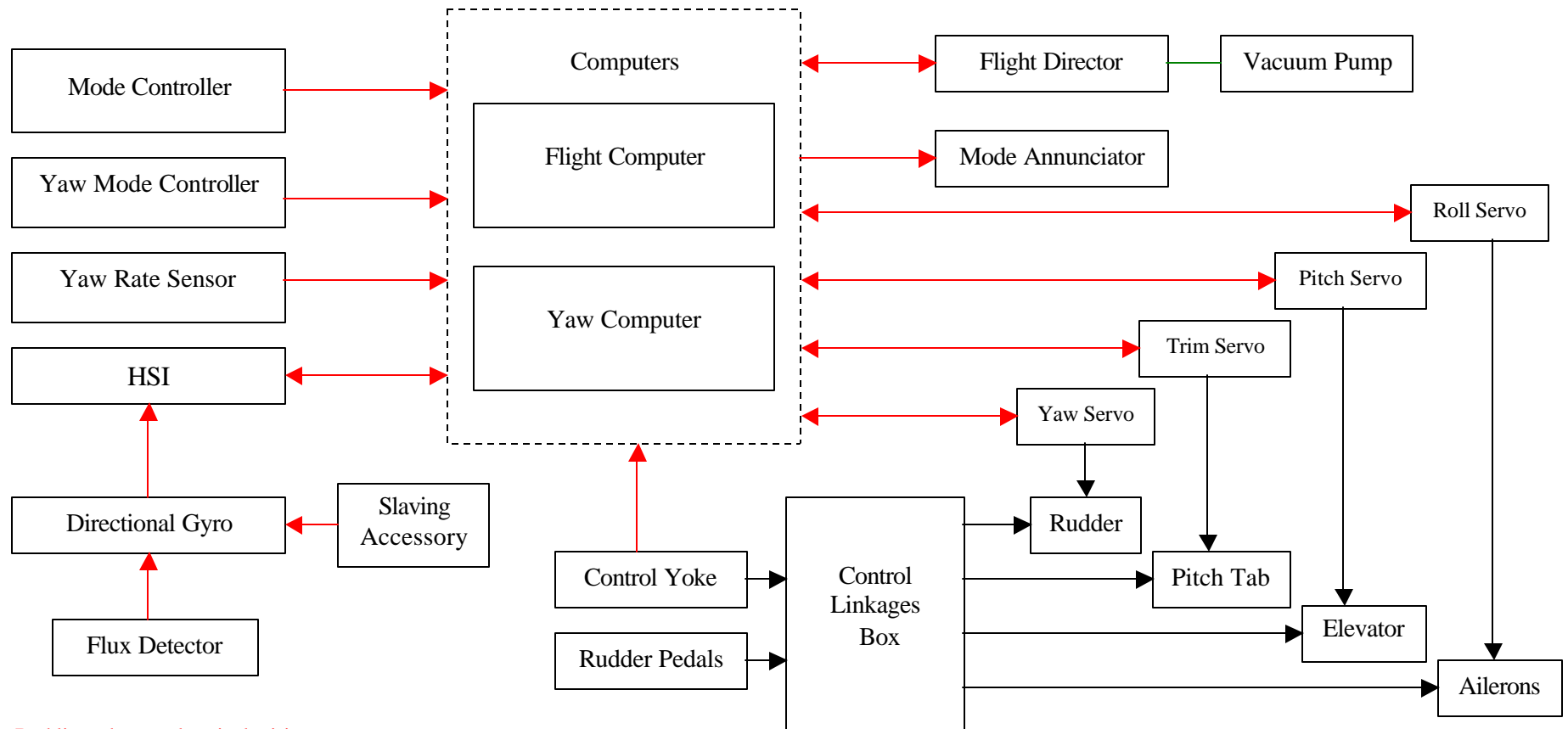
Any movement in control column and rudder pedals results in the proportional movement of the control surfaces that, in turn, causes a proportional change in the aircraft attitude.

The modular design allows installation of automatic flight controls, attitude indicator, magnetic compass system, turn and slip indicator, flight director, vertical speed indicator, directional gyro system and any other customer-specified instruments to enhance the educational value of the trainer.

Avitek Engineering Corporation



AUTOPILOT / AUTOMATIC FLIGHT CONTROLS TRAINER BLOCK DIAGRAM



Red lines denote electrical wiring
Black lines indicate mechanical linkage
Green lines represent hose connection

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